Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o1.ts	Method	TBLASTX:Soybean
Start	887	End	1247
GI	none	Score	126
Exons	887..1240, 888..1247, 889..1131, 1106..1240, 1170..1244		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o2.tw	Method	TBLASTX:Wheat
Start	1280	End	1709
GI	none	Score	302
Exons	1280..1705, 1281..1709		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o3.tm	Method	TBLASTX:Maize
Start	1404	End	1696
GI	none	Score	156
Exons	1404..1595, 1406..1696, 1623..1694		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o6.tw	Method	TBLASTX:Wheat
Start	1880	End	2234
GI	none	Score	80
Exons	1880..2233, 1916..2050, 2139..2234		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o4.tm	Method	TBLASTX:Maize
Start	1967	End	2287
GI	none	Score	209
Exons	1967..2287		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o5.tm	Method	TBLASTX:Maize
Start	2633	End	2929
GI	none	Score	117
Exons	2633..2929, 2742..2912		

Seq. No.	36341	Seq. ID	OJ990528_09.9B05.C55
Gene No.	74785	Strand	-
Start	1	End	3442
Name	OJ990528_09.9B05.C55.o5.tw	Method	TBLASTX:Wheat
Start	2810	End	3173
GI	none	Score	88
Exons	2810..3169, 2811..3044, 3069..3173		

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Seq. No.	36342	Seq. ID	OJ990528_09.9B05.C56
Gene No.	74786	Strand	+
Start	423	End	727
Name	OJ990528_09.9B05.C56.o1.gs	Method	GENSCAN
Start	423	End	559
GI	none	Score	.76
Exons	423..559		

Seq. No.	36342	Seq. ID	OJ990528_09.9B05.C56
Gene No.	74786	Strand	+
Start	423	End	727
Name	OJ990528_09.9B05.C56.o1.np	Method	AAT/NAP
Start	423	End	727
GI	5295955	Score	30
Exons	423..494, 671..727		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	36343	Seq. ID	OJ990528_09.9B05.C57
Gene No.	74787	Strand	-
Start	1	End	711
Name	OJ990528_09.9B05.C57.o1.np	Method	AAT/NAP
Start	1	End	711
GI	4680179	Score	1062
Exons	1..711		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36343	Seq. ID	OJ990528_09.9B05.C57
Gene No.	74787	Strand	-
Start	1	End	711
Name	OJ990528_09.9B05.C57.o1.tm	Method	TBLASTX:Maize
Start	101	End	355
GI	none	Score	196
Exons	101..355, 111..350, 214..354		

Seq. No.	36343	Seq. ID	OJ990528_09.9B05.C57
Gene No.	74787	Strand	-
Start	1	End	711
Name	OJ990528_09.9B05.C57.o1.gs	Method	GENSCAN
Start	105	End	550
GI	none	Score	.81
Exons	105..550		

Seq. No.	36343	Seq. ID	OJ990528_09.9B05.C57
Gene No.	74787	Strand	-
Start	1	End	711
Name	OJ990528_09.9B05.C57.o1.ts	Method	TBLASTX:Soybean
Start	119	End	379
GI	none	Score	149
Exons	119..379, 120..374, 218..376		

Seq. No.	36343	Seq. ID	OJ990528_09.9B05.C57
Gene No.	74787	Strand	-
Start	1	End	711
Name	OJ990528_09.9B05.C57.o1.tc	Method	TBLASTX:Cress
Start	143	End	460
GI	none	Score	72

Exons	143..286, 144..284, 293..460		
Seq. No.	36343	Seq. ID	OJ990528_09.9B05.C57
Gene No.	74787	Strand	-
Start	1	End	711
Name	OJ990528_09.9B05.C57.o1.tw	Method	TBLASTX:Wheat
Start	167	End	575
GI	none	Score	233
Exons	167..574, 168..422, 200..556, 474..575		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74788	Strand	+
Start	1392	End	1783
Name	OJ990528_09.9B05.C59.o1.gp	Method	AAT/GAP
Start	1392	End	1783
GI	25792_1.R1084	Score	390
Exons	1392..1647, 1752..1783		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o1.np	Method	AAT/NAP
Start	418	End	6539
GI	6705984	Score	7001
Exons	418..445, 1622..6057, 6434..6539		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o3.tw	Method	TBLASTX:Wheat
Start	1608	End	2002
GI	none	Score	436
Exons	1608..1823, 1619..2002, 1621..2001		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o4.tm	Method	TBLASTX:Maize
Start	1608	End	1839
GI	none	Score	226
Exons	1608..1832, 1613..1837, 1621..1839		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o9.tm	Method	TBLASTX:Maize
Start	1843	End	2130
GI	none	Score	188
Exons	1843..2130		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o4.tw	Method	TBLASTX:Wheat

Start	2035	End	2394
GI	none	Score	324
Exons	2035..2394, 2045..2383, 2049..2390		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o1.tm	Method	TBLASTX:Maize
Start	2139	End	2488
GI	none	Score	162
Exons	2139..2477, 2142..2429, 2143..2481, 2143..2487, 2150..2488		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o1.tc	Method	TBLASTX:Cress
Start	2206	End	2575
GI	none	Score	228
Exons	2206..2568, 2207..2575		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o1.tw	Method	TBLASTX:Wheat
Start	2520	End	2947
GI	none	Score	519
Exons	2520..2765, 2521..2946, 2522..2947		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o8.tm	Method	TBLASTX:Maize
Start	2578	End	2742
GI	none	Score	99
Exons	2578..2736, 2578..2742, 2579..2740		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o5.ts	Method	TBLASTX:Soybean
Start	2668	End	2862
GI	none	Score	59
Exons	2668..2754, 2669..2752, 2750..2848, 2758..2862		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o2.ts	Method	TBLASTX:Soybean
Start	2867	End	3123
GI	none	Score	194
Exons	2867..3097, 2867..3067, 2869..3123, 2884..3120		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o3.tm	Method	TBLASTX:Maize
Start	2911	End	3387

GI	none	Score	62
Exons	2911..3387, 2962..3150, 2966..3346		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o7.tw	Method	TBLASTX:Wheat
Start	3034	End	3435
GI	none	Score	101
Exons	3034..3435, 3143..3388		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o1.ts	Method	TBLASTX:Soybean
Start	3148	End	3507
GI	none	Score	117
Exons	3148..3507, 3149..3388, 3467..3502		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o2.tm	Method	TBLASTX:Maize
Start	3430	End	3897
GI	none	Score	112
Exons	3430..3897, 3473..3685, 3625..3807		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o6.tw	Method	TBLASTX:Wheat
Start	3484	End	3966
GI	none	Score	132
Exons	3484..3966, 3488..3697		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o7.tm	Method	TBLASTX:Maize
Start	3922	End	4170
GI	none	Score	149
Exons	3922..4071, 3923..4063, 4072..4170		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o8.tw	Method	TBLASTX:Wheat
Start	4018	End	4269
GI	none	Score	93
Exons	4018..4242, 4019..4123, 4237..4269		

Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o5.tw	Method	TBLASTX:Wheat
Start	4280	End	4770
GI	none	Score	98

Exons	4280..4486, 4338..4472, 4491..4616, 4493..4624, 4506..4625, 4525..4650, 4624..4770, 4625..4723		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o3.ts	Method	TBLASTX:Soybean
Start	4292	End	4537
GI	none	Score	98
Exons	4292..4537, 4356..4532		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o5.tm	Method	TBLASTX:Maize
Start	4292	End	4537
GI	none	Score	98
Exons	4292..4537, 4356..4532		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o2.tw	Method	TBLASTX:Wheat
Start	5149	End	5724
GI	none	Score	152
Exons	5149..5499, 5150..5527, 5153..5251, 5154..5498, 5155..5508, 5351..5512, 5532..5690, 5536..5682, 5536..5724, 5543..5707		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o4.ts	Method	TBLASTX:Soybean
Start	5281	End	5677
GI	none	Score	63
Exons	5281..5502, 5536..5676, 5543..5677		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o6.tm	Method	TBLASTX:Maize
Start	5485	End	5721
GI	none	Score	168
Exons	5485..5721, 5498..5707		
Seq. No.	36344	Seq. ID	OJ990528_09.9B05.C59
Gene No.	74789	Strand	-
Start	418	End	6539
Name	OJ990528_09.9B05.C59.o2.gp	Method	AAT/GAP
Start	6359	End	6471
GI	uC-osflcyp088b12b1	Score	145
Exons	6359..6471		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	36345	Seq. ID	OJ990528_09.9B05.C60
Gene No.	74790	Strand	+
Start	1	End	991

Name	OJ990528_09.9B05.C60.o2.np	Method	AAT/NAP
Start	1	End	991
GI	4680183	Score	115
Exons	1..45, 902..991		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36345	Seq. ID	OJ990528_09.9B05.C60
Gene No.	74790	Strand	+
Start	1	End	991
Name	OJ990528_09.9B05.C60.o1.gs	Method	GENSCAN
Start	280	End	750
GI	none	Score	.64
Exons	280..389, 636..750		

Seq. No.	36345	Seq. ID	OJ990528_09.9B05.C60
Gene No.	74791	Strand	-
Start	1	End	869
Name	OJ990528_09.9B05.C60.o1.np	Method	AAT/NAP
Start	1	End	869
GI	6721561	Score	119
Exons	1..43, 784..869		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36345	Seq. ID	OJ990528_09.9B05.C60
Gene No.	74791	Strand	-
Start	1	End	869
Name	OJ990528_09.9B05.C60.o1.gp	Method	AAT/GAP
Start	164	End	275
GI	uC-osflcyp088b12b1	Score	145
Exons	164..275		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36345	Seq. ID	OJ990528_09.9B05.C60
Gene No.	74792	Strand	-
Start	1654	End	5269
Name	OJ990528_09.9B05.C60.o3.np	Method	AAT/NAP
Start	1654	End	5269
GI	119714	Score	291
Exons	1654..3210, 5164..5269		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	36345	Seq. ID	OJ990528_09.9B05.C60
Gene No.	74792	Strand	-
Start	1654	End	5269
Name	OJ990528_09.9B05.C60.o4.np	Method	AAT/NAP
Start	3837	End	5269
GI	5042454	Score	84
Exons	3837..3904, 4267..4386, 4939..5046, 5128..5269		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	36346	Seq. ID	OJ990528_09.9B05.C61
Gene No.	74793	Strand	+
Start	438	End	1861
Name	OJ990528_09.9B05.C61.o1.np	Method	AAT/NAP
Start	438	End	1861
GI	6907089	Score	1858
Exons	438..1701, 1788..1861		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36346	Seq. ID	OJ990528_09.9B05.C61
Gene No.	74793	Strand	+
Start	438	End	1861
Name	OJ990528_09.9B05.C61.o1.gs	Method	GENSCAN
Start	438	End	1701
GI	none	Score	.7
Exons	438..874, 955..1338, 1559..1701		

Seq. No.	36347	Seq. ID	OJ990528_09.9B05.C62
Gene No.	74794	Strand	+
Start	1	End	1875
Name	OJ990528_09.9B05.C62.o1.np	Method	AAT/NAP
Start	1	End	1872
GI	6907089	Score	2029
Exons	1..1872		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36347	Seq. ID	OJ990528_09.9B05.C62
Gene No.	74794	Strand	+
Start	1	End	1875
Name	OJ990528_09.9B05.C62.o1.gs	Method	GENSCAN
Start	76	End	1875
GI	none	Score	.73
Exons	76..1441, 1468..1875		

Seq. No.	36347	Seq. ID	OJ990528_09.9B05.C62
Gene No.	74795	Strand	-
Start	2635	End	3304
Name	OJ990528_09.9B05.C62.o2.np	Method	AAT/NAP
Start	2498	End	3304
GI	6498441	Score	1148
Exons	2498..2769, 2863..3304		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	36347	Seq. ID	OJ990528_09.9B05.C62
Gene No.	74795	Strand	-
Start	2635	End	3304
Name	OJ990528_09.9B05.C62.o1.tw	Method	TBLASTX:Wheat
Start	2507	End	3105
GI	none	Score	78
Exons	2507..2632, 2511..2633, 2663..2752, 2761..3105, 2804..3061		

Seq. No.	36347	Seq. ID	OJ990528_09.9B05.C62
Gene No.	74795	Strand	-
Start	2635	End	3304

Name	OJ990528_09.9B05.C62.o2.gs	Method	GENSCAN
Start	2635	End	3273
GI	none	Score	.43
Exons	2635..3273		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o1.np	Method	AAT/NAP
Start	1	End	2316
GI	6498441	Score	2777
Exons	1..907, 1079..1800, 1975..2109, 2257..2316		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o2.tm	Method	TBLASTX:Maize
Start	2	End	265
GI	none	Score	179
Exons	2..265, 3..236		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o3.tw	Method	TBLASTX:Wheat
Start	2	End	367
GI	none	Score	109
Exons	2..367, 57..236, 74..253		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o1.gs	Method	GENSCAN
Start	66	End	2174
GI	none	Score	.57
Exons	66..928, 1079..1250, 1277..1428, 1485..2174		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o5.tw	Method	TBLASTX:Wheat
Start	458	End	770
GI	none	Score	66
Exons	458..718, 594..770		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o2.ts	Method	TBLASTX:Soybean
Start	518	End	1084
GI	5666795	Score	64
Exons	518..718, 773..910, 986..1084		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o2.tw	Method	TBLASTX:Wheat
Start	773	End	1231
GI	none	Score	88
Exons	773..922, 774..911, 966..1154, 983..1207, 1010..1231		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o1.ts	Method	TBLASTX:Soybean
Start	1638	End	2039
GI	none	Score	91
Exons	1638..2039, 1849..2016		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o1.tw	Method	TBLASTX:Wheat
Start	1668	End	2087
GI	none	Score	270
Exons	1668..2087, 1693..2064, 1809..2084		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o2.np	Method	AAT/NAP
Start	1749	End	2316
GI	4680183	Score	156
Exons	1749..1910, 2132..2316		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o1.tm	Method	TBLASTX:Maize
Start	1761	End	2144
GI	none	Score	189
Exons	1761..2144, 1780..2034, 1875..2144		

Seq. No.	36348	Seq. ID	OJ990528_09.9B05.C63
Gene No.	74796	Strand	-
Start	1	End	2316
Name	OJ990528_09.9B05.C63.o4.tw	Method	TBLASTX:Wheat
Start	2088	End	2277
GI	none	Score	101
Exons	2088..2276, 2089..2277, 2092..2277		

Seq. No.	36349	Seq. ID	OJ990528_09.9B05.C64
Gene No.	74797	Strand	-
Start	1	End	671
Name	OJ990528_09.9B05.C64.o1.np	Method	AAT/NAP
Start	1	End	671
GI	6498441	Score	1036
Exons	1..671		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the		

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	36349	Seq. ID	OJ990528_09.9B05.C64
Gene No.	74797	Strand	-
Start	1	End	671
Name	OJ990528_09.9B05.C64.o1.gs	Method	GENSCAN
Start	104	End	525
GI	none	Score	.46
Exons	104..525		

Seq. No.	36349	Seq. ID	OJ990528_09.9B05.C64
Gene No.	74797	Strand	-
Start	1	End	671
Name	OJ990528_09.9B05.C64.o1.tw	Method	TBLASTX:Wheat
Start	310	End	643
GI	none	Score	86
Exons	310..567, 344..583, 550..642, 551..643		

Seq. No.	36349	Seq. ID	OJ990528_09.9B05.C64
Gene No.	74797	Strand	-
Start	1	End	671
Name	OJ990528_09.9B05.C64.o1.tm	Method	TBLASTX:Maize
Start	412	End	660
GI	none	Score	102
Exons	412..660, 413..625		

Seq. No.	36350	Seq. ID	OJ990528_09.9B05.C66
Gene No.	74798	Strand	-
Start	474	End	617
Name	OJ990528_09.9B05.C66.o1.gp	Method	AAT/GAP
Start	474	End	617
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	474..528, 556..617		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36351	Seq. ID	OJ990528_09.9B05.C70
Gene No.	74799	Strand	+
Start	174	End	261
Name	OJ990528_09.9B05.C70.o1.gs	Method	GENSCAN
Start	174	End	261
GI	none	Score	.61
Exons	174..261		

Seq. No.	36352	Seq. ID	OJ990528_09.9B05.C71
Gene No.	74800	Strand	-
Start	44	End	77
Name	OJ990528_09.9B05.C71.o1.gs	Method	GENSCAN
Start	44	End	77
GI	none	Score	.54
Exons	44..77		

Seq. No.	36353	Seq. ID	OJ990528_09.9B05.C72
Gene No.	74801	Strand	-
Start	557	End	748

Name	OJ990528_09.9B05.C72.o1.np	Method	AAT/NAP
Start	557	End	748
GI	4680183	Score	121
Exons	557..748		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36354	Seq. ID	OJ990528_09.9B05.C73
Gene No.	74802	Strand	+
Start	161	End	286
Name	OJ990528_09.9B05.C73.o1.gs	Method	GENSCAN
Start	161	End	286
GI	none	Score	.72
Exons	161..286		

Seq. No.	36355	Seq. ID	OJ990528_09.9B05.C75
Gene No.	74803	Strand	+
Start	1	End	755
Name	OJ990528_09.9B05.C75.o1.np	Method	AAT/NAP
Start	1	End	755
GI	6721517	Score	1173
Exons	1..755		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	36355	Seq. ID	OJ990528_09.9B05.C75
Gene No.	74803	Strand	+
Start	1	End	755
Name	OJ990528_09.9B05.C75.o1.ts	Method	TBLASTX:Soybean
Start	60	End	450
GI	none	Score	46
Exons	60..86, 60..86, 90..449, 93..167, 97..450, 97..231, 206..448		

Seq. No.	36355	Seq. ID	OJ990528_09.9B05.C75
Gene No.	74803	Strand	+
Start	1	End	755
Name	OJ990528_09.9B05.C75.o1.gs	Method	GENSCAN
Start	66	End	734
GI	none	Score	.59
Exons	66..734		

Seq. No.	36355	Seq. ID	OJ990528_09.9B05.C75
Gene No.	74803	Strand	+
Start	1	End	755
Name	OJ990528_09.9B05.C75.o1.tw	Method	TBLASTX:Wheat
Start	162	End	563
GI	none	Score	536
Exons	162..563, 162..560, 200..562		

Seq. No.	36355	Seq. ID	OJ990528_09.9B05.C75
Gene No.	74803	Strand	+
Start	1	End	755
Name	OJ990528_09.9B05.C75.o1.tm	Method	TBLASTX:Maize
Start	183	End	755
GI	none	Score	408
Exons	183..755, 197..454, 500..601		

Seq. No.	36355	Seq. ID	OJ990528_09.9B05.C75
Gene No.	74803	Strand	+

Start	1	End	755
Name	OJ990528_09.9B05.C75.o2.ts	Method	TBLASTX:Soybean
Start	474	End	716
GI	none	Score	187
Exons	474..716		

Seq. No.	36355	Seq. ID	OJ990528_09.9B05.C75
Gene No.	74803	Strand	+
Start	1	End	755
Name	OJ990528_09.9B05.C75.o2.tw	Method	TBLASTX:Wheat
Start	564	End	755
GI	none	Score	284
Exons	564..755, 569..754, 582..755		

Seq. No.	36356	Seq. ID	OJ990528_09.9B05.C79
Gene No.	74804	Strand	+
Start	1	End	512
Name	OJ990528_09.9B05.C79.o1.np	Method	AAT/NAP
Start	1	End	512
GI	4680204	Score	431
Exons	1..512		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	36356	Seq. ID	OJ990528_09.9B05.C79
Gene No.	74804	Strand	+
Start	1	End	512
Name	OJ990528_09.9B05.C79.o1.gs	Method	GENSCAN
Start	15	End	394
GI	none	Score	.73
Exons	15..394		

Seq. No.	36356	Seq. ID	OJ990528_09.9B05.C79
Gene No.	74804	Strand	+
Start	1	End	512
Name	OJ990528_09.9B05.C79.o1.tw	Method	TBLASTX:Wheat
Start	161	End	434
GI	none	Score	244
Exons	161..214, 162..434, 201..374, 281..433		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74805	Strand	+
Start	18372	End	22891
Name	OJ990728_09.9B18.C2.o2.gs	Method	GENSCAN
Start	18372	End	22891
GI	none	Score	.6
Exons	18372..18482, 20681..20780, 21558..21905, 21928..22003, 22330..22891		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74805	Strand	+
Start	18372	End	22891
Name	OJ990728_09.9B18.C2.o9.gp	Method	AAT/GAP
Start	20546	End	20602
GI	2312838	Score	62
Exons	20546..20602		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74806	Strand	+
Start	39481	End	41569
Name	OJ990728_09.9B18.C2.o4.np	Method	AAT/NAP
Start	39481	End	41569
GI	4835795	Score	77
Exons	39481..39609, 41540..41569		
GI Descrip.	(AC007296) F25C20.23 [Arabidopsis thaliana]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74807	Strand	+
Start	42821	End	44591
Name	OJ990728_09.9B18.C2.o5.np	Method	AAT/NAP
Start	42821	End	44591
GI	5922620	Score	165
Exons	42821..42850, 44460..44591		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74808	Strand	+
Start	50517	End	54259
Name	OJ990728_09.9B18.C2.o8.gs	Method	GENSCAN
Start	50517	End	54040
GI	none	Score	.82
Exons	50517..50722, 51849..52536, 52658..52888, 53535..53824, 53947..54040		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74808	Strand	+
Start	50517	End	54259
Name	OJ990728_09.9B18.C2.o14.gp	Method	AAT/GAP
Start	51746	End	54259
GI	1_1.R1084	Score	3116
Exons	51746..52536, 52658..52888, 53535..53824, 53947..54259		
GI Descrip.	'5031285/gb|AAD38148.1|AF139501_1 1.0e-14 (AF139501) beta-amylase [Prunus armeniaca]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74808	Strand	+
Start	50517	End	54259
Name	OJ990728_09.9B18.C2.o8.np	Method	AAT/NAP
Start	51940	End	54037
GI	3618308	Score	2085
Exons	51940..52536, 52658..52888, 53535..53824, 53947..54037		
GI Descrip.	(AB001882) zinc finger protein [Oryza sativa]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74809	Strand	+
Start	60803	End	62457
Name	OJ990728_09.9B18.C2.o11.gs	Method	GENSCAN
Start	60803	End	62457
GI	none	Score	.99

Exons	60803..61513, 61594..62457		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74809	Strand	+
Start	60803	End	62457
Name	OJ990728_09.9B18.C2.o9.np	Method	AAT/NAP
Start	61052	End	62444
GI	5031285	Score	815
Exons	61052..61513, 61594..62444		
GI Descrip.	(AF139501) beta-amylase [Prunus armeniaca]		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74809	Strand	+
Start	60803	End	62457
Name	OJ990728_09.9B18.C2.o15.gp	Method	AAT/GAP
Start	61585	End	61882
GI	569009	Score	548
Exons	61585..61882		
GI Descrip.	5031285/gb|AAD38148.1|AF139501_1 1.0e-14 (AF139501) beta-amylase [Prunus armeniaca]		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o1.np	Method	AAT/NAP
Start	219	End	8002
GI	2618698	Score	2261
Exons	219..522, 616..779, 1084..1986, 2661..2780, 2875..2928, 3423..3554, 3684..3779, 4028..4297, 6253..6342, 6431..6490, 7484..7550, 7692..7789, 7878..8002		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o1.gp	Method	AAT/GAP
Start	322	End	428
GI	45434_1.R1084	Score	176
Exons	322..428		
GI Descrip.	'2618698 6.0e-19 (AC002510) unknown protein [Arabidopsis thaliana]'		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o1.gs	Method	GENSCAN
Start	616	End	16965
GI	none	Score	.66
Exons	616..794, 1084..1986, 2661..2744, 2875..2928, 3423..3554, 3684..3779, 4028..4173, 5211..5585, 7609..7783, 7901..8042, 10086..10152, 10291..10360, 12432..12659, 13412..13648, 13742..14026, 14108..14644, 16015..16274, 16902..16965		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o2.gp	Method	AAT/GAP

Start	634	End	1408
GI	4715626	Score	929
Exons	634..794, 1084..1408		
GI Descrip.	2618698 1.0e-50 (AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o3.gp	Method	AAT/GAP
Start	1434	End	1754
GI	LIB3475-011-P1-K1-C3	Score	608
Exons	1434..1754		
GI Descrip.	'2618698 1.0e-50 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o4.gp	Method	AAT/GAP
Start	1864	End	2143
GI	uC-osflcyp106e03b1	Score	376
Exons	1864..1986, 2065..2143		
GI Descrip.	'2618698 2.0e-09 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o5.gp	Method	AAT/GAP
Start	4678	End	6219
GI	LIB3477-003-P1-K1-E9	Score	141
Exons	4678..4721, 6155..6219		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o6.gp	Method	AAT/GAP
Start	6433	End	8180
GI	uC-osflcyp024b01b1	Score	910
Exons	6433..6490, 7484..7550, 7692..7783, 7901..8180		
GI Descrip.	'2618698 1.0e-39 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o2.np	Method	AAT/NAP
Start	11637	End	16541
GI	2809232	Score	1153
Exons	11637..11777, 12432..12659, 13331..13648, 13742..14026, 14108..14229, 16470..16541		
GI Descrip.	(AC002560) F21B7.1 [Arabidopsis thaliana]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o7.gp	Method	AAT/GAP
Start	11667	End	12597
GI	LIB3477-005-P1-K1-G8	Score	509
Exons	11667..11777, 12432..12597		
GI Descrip.	'3776559 2.0e-31 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74810	Strand	-
Start	219	End	16965
Name	OJ990728_09.9B18.C2.o8.gp	Method	AAT/GAP
Start	13390	End	13983
GI	uC-osflcyp155g01b1	Score	935
Exons	13390..13648, 13742..13983		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74811	Strand	-
Start	21352	End	22578
Name	OJ990728_09.9B18.C2.o10.gp	Method	AAT/GAP
Start	21352	End	22578
GI	4989_1.R1084	Score	1540
Exons	21352..21921, 22339..22578		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74812	Strand	-
Start	22874	End	23241
Name	OJ990728_09.9B18.C2.o11.gp	Method	AAT/GAP
Start	22874	End	23241
GI	none	Score	721
Exons	22874..23241		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74813	Strand	-
Start	25217	End	38387
Name	OJ990728_09.9B18.C2.o12.gp	Method	AAT/GAP
Start	25015	End	28986
GI	59_1.R1084	Score	3675
Exons	25015..25621, 25849..25983, 26064..26264, 26602..26901, 26991..27191, 27474..27638, 27712..27891, 28438..28479, 28582..28687, 28805..28986		
GI Descrip.	'3288883/dbj|BAA31260| 0.0e+00 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74813	Strand	-
Start	25217	End	38387
Name	OJ990728_09.9B18.C2.o3.gs	Method	GENSCAN
Start	25217	End	31251

GI	none	Score	.77
Exons	25217..25621, 25849..25983, 26064..26264, 26602..26901, 26991..27191, 27474..27638, 27712..27891, 28438..28479, 28582..28684, 28805..28939, 29888..30168, 31222..31251		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74813	Strand	-
Start	25217	End	38387
Name	OJ990728_09.9B18.C2.o3.np	Method	AAT/NAP
Start	25469	End	35946
GI	3288883	Score	2186
Exons	25469..25621, 33258..33392, 33475..33675, 33916..34215, 34306..34506, 34788..34952, 35026..35205, 35713..35754, 35869..35946		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74813	Strand	-
Start	25217	End	38387
Name	OJ990728_09.9B18.C2.o13.gp	Method	AAT/GAP
Start	32375	End	36252
GI	59_1.R1084	Score	3536
Exons	32375..32976, 33258..33392, 33475..33675, 33916..34215, 34306..34506, 34788..34952, 35026..35205, 35713..35754, 35869..35974, 36081..36252		
GI Descrip.	'3288883/dbj|BAA31260| 0.0e+00 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74813	Strand	-
Start	25217	End	38387
Name	OJ990728_09.9B18.C2.o4.gs	Method	GENSCAN
Start	32572	End	38387
GI	none	Score	.87
Exons	32572..32976, 33258..33392, 33475..33675, 33916..34215, 34306..34506, 34788..34952, 35026..35205, 35713..35754, 35869..35974, 36081..36270, 36325..36442, 37611..37733, 38382..38387		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74814	Strand	-
Start	43386	End	46646
Name	OJ990728_09.9B18.C2.o6.gs	Method	GENSCAN
Start	43386	End	44516
GI	none	Score	.72
Exons	43386..43495, 44153..44173, 44366..44516		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74814	Strand	-
Start	43386	End	46646
Name	OJ990728_09.9B18.C2.o7.np	Method	AAT/NAP
Start	43765	End	46646
GI	1730039	Score	79
Exons	43765..43877, 46470..46646		
GI Descrip.	GLYCOGEN SYNTHASE KINASE-3 ALPHA (GSK-3 ALPHA) gi|682745 (L40027) glycogen synthase kinase 3 [Homo sapiens]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74814	Strand	-
Start	43386	End	46646
Name	OJ990728_09.9B18.C2.o6.np	Method	AAT/NAP
Start	44730	End	46074
GI	6630699	Score	93
Exons	44730..44834, 45733..45759, 46042..46074		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74815	Strand	-
Start	54793	End	56010
Name	OJ990728_09.9B18.C2.o9.gs	Method	GENSCAN
Start	54793	End	56010
GI	none	Score	.92
Exons	54793..56010		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74816	Strand	-
Start	62199	End	62763
Name	OJ990728_09.9B18.C2.o16.gp	Method	AAT/GAP
Start	62199	End	62763
GI	54791_1.R1084	Score	1049
Exons	62199..62763		
GI Descrip.	'5031285/gb|AAD38148.1|AF139501_1 1.0e-14 (AF139501) beta-amylase [Prunus armeniaca]'		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74817	Strand	-
Start	63435	End	63784
Name	OJ990728_09.9B18.C2.o17.gp	Method	AAT/GAP
Start	63435	End	63784
GI	702900	Score	520
Exons	63435..63784		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74818	Strand	-
Start	64544	End	67202
Name	OJ990728_09.9B18.C2.o10.np	Method	AAT/NAP
Start	64544	End	67202
GI	3738302	Score	1344
Exons	64544..65009, 65413..65592, 65964..66099, 66193..66280, 66858..67202		
GI Descrip.	(AC005309) putative Tub family protein [Arabidopsis thaliana]		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o6.tm	Method	TBLASTX:Maize
Start	321	End	1219
GI	none	Score	273
Exons	321..521, 322..522, 388..522, 619..792, 624..797, 1084..1218, 1085..1219		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2

Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o9.ts	Method	TBLASTX:Soybean
Start	321	End	725
GI	none	Score	154
Exons	321..521, 322..522, 627..680, 681..725		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o5.ts	Method	TBLASTX:Soybean
Start	1215	End	1641
GI	none	Score	90
Exons	1215..1289, 1216..1323, 1217..1288, 1291..1641, 1295..1639		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o1.tm	Method	TBLASTX:Maize
Start	1375	End	3780
GI	none	Score	857
Exons	1375..1986, 1376..1987, 2055..2135, 2062..2151, 2063..2152, 2067..2153, 2619..2738, 2652..2747, 2653..2799, 2871..2927, 2873..2929, 2873..2926, 2874..2927, 3414..3563, 3424..3564, 3424..3582, 3678..3779, 3680..3778, 3682..3780, 3685..3780		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o10.ts	Method	TBLASTX:Soybean
Start	3414	End	3780
GI	none	Score	108
Exons	3414..3563, 3427..3564, 3678..3779, 3691..3780		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o10.tm	Method	TBLASTX:Maize
Start	4217	End	7993
GI	none	Score	125
Exons	4217..4327, 4218..4322, 6228..6344, 6249..6344, 6253..6345, 6253..6345, 6425..6490, 6429..6557, 7460..7552, 7461..7553, 7689..7784, 7709..7795, 7914..7967, 7916..7993		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o11.ts	Method	TBLASTX:Soybean
Start	6259	End	7987
GI	none	Score	58
Exons	6259..6345, 6260..6346, 6261..6341, 6265..6345, 6425..6496, 6425..6490, 6429..6503, 6430..6492, 7457..7561, 7461..7562, 7692..7796, 7709..7795, 7922..7987, 7926..7958		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860

Name	OJ990728_09.9B18.C2.o2.tm	Method	TBLASTX:Maize
Start	10087	End	13934
GI	none	Score	94
Exons	10087..10155, 10089..10169, 10089..10160, 10139..10342, 10155..10280, 10278..10358, 10283..10366, 10649..10756, 11675..11776, 11676..11777, 11677..11784, 12432..12464, 12433..12465, 12448..12660, 12465..12662, 12465..12659, 12467..12664, 12487..12660, 12488..12661, 13328..13651, 13329..13649, 13501..13650, 13739..13933, 13740..13934		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o1.ts	Method	TBLASTX:Soybean
Start	11679	End	14036
GI	none	Score	80
Exons	11679..11780, 11680..11784, 12412..12660, 12432..12659, 13328..13660, 13329..13658, 13739..14035, 13740..14036		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o2.tw	Method	TBLASTX:Wheat
Start	11700	End	13396
GI	none	Score	95
Exons	11700..11780, 11700..11777, 11701..11784, 12432..12659, 12433..12660, 12487..12660, 13328..13396, 13329..13394		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o6.tc	Method	TBLASTX:Cress
Start	12432	End	12660
GI	none	Score	164
Exons	12432..12659, 12433..12660		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o1.tc	Method	TBLASTX:Cress
Start	13358	End	13978
GI	none	Score	285
Exons	13358..13657, 13359..13658, 13739..13978, 13740..13874		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o1.tw	Method	TBLASTX:Wheat
Start	13397	End	13894
GI	none	Score	72
Exons	13397..13657, 13398..13478, 13506..13649, 13739..13894, 13740..13874		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o9.tm	Method	TBLASTX:Maize

Start	13935	End	14204
GI	none	Score	120
Exons	13935..14009, 13937..14029, 13937..14035, 14105..14203, 14109..14204		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o3.tm	Method	TBLASTX:Maize
Start	25230	End	35958
GI	none	Score	58
Exons	25230..25295, 25243..25299, 25263..25301, 25359..25436, 25360..25491, 25408..25509, 25470..25511, 25516..25578, 25520..25582, 25526..25579, 25533..25595, 25580..25624, 25581..25622, 25592..25633, 25842..25985, 25849..25986, 26053..26268, 26055..26267, 26601..26831, 26601..26903, 26602..26907, 26602..26910, 26982..27194, 26988..27194, 27471..27638, 27471..27638, 27472..27639, 27472..27642, 27712..27891, 27713..27892, 28435..28479, 28436..28480, 28582..28662, 32598..32654, 32721..32789, 32827..32937, 32866..32934, 32867..32950, 32935..32994, 32936..32977, 32947..32988, 33251..33394, 33258..33410, 33258..33395, 33464..33655, 33466..33657, 33475..33711, 33479..33676, 33915..34145, 33915..34217, 33916..34224, 33916..34224, 33917..34228, 34297..34509, 34302..34508, 34303..34509, 34305..34514, 34749..34952, 34783..34956, 34785..34952, 34786..34953, 35012..35206, 35012..35206, 35026..35211, 35026..35208, 35710..35754, 35711..35755, 35869..35958, 35869..35949		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o2.ts	Method	TBLASTX:Soybean
Start	25841	End	35949
GI	none	Score	123
Exons	25841..25936, 25849..25953, 25849..25986, 26041..26268, 26061..26267, 26087..26296, 26566..26907, 26601..26831, 26603..26857, 26988..27194, 26992..27192, 26993..27193, 27471..27638, 27471..27638, 27472..27639, 27487..27639, 27712..27891, 27713..27892, 28582..28662, 33258..33395, 33259..33345, 33455..33655, 33472..33657, 33475..33711, 33476..33676, 33908..34072, 33915..34145, 33915..34199, 33916..34233, 33917..34249, 34303..34521, 34307..34507, 34308..34508, 34749..34952, 34785..34952, 34786..34953, 34801..34953, 35026..35208, 35027..35206, 35869..35949		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o2.tc	Method	TBLASTX:Cress
Start	26184	End	34235
GI	none	Score	83
Exons	26184..26258, 26191..26256, 26602..26934, 26603..26857, 26611..26889, 33595..33657, 33602..33655, 33916..34203, 33917..34210, 33925..34230, 33927..34235		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o3.tc	Method	TBLASTX:Cress
Start	27120	End	35955
GI	none	Score	70
Exons	27120..27206, 27120..27194, 27471..27638, 27471..27638, 27472..27639, 27472..27639, 27473..27640, 27712..27891, 27713..27889, 28435..28479, 28582..28668, 34435..34521, 34435..34509, 34749..34952, 34785..34952, 34786..34953, 34786..34953, 35026..35208, 35027..35203, 35710..35754, 35869..35955		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o3.tw	Method	TBLASTX:Wheat
Start	27766	End	36091
GI	none	Score	187
Exons	27766..27891, 27767..27892, 28435..28479, 28582..28677, 28619..28678, 35080..35208, 35081..35206, 35710..35754, 35711..35755, 35869..35961, 35869..35958, 35906..35968, 36062..36091		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o11.tm	Method	TBLASTX:Maize
Start	52108	End	52371
GI	none	Score	92
Exons	52108..52158, 52110..52163, 52231..52278, 52236..52277, 52287..52364, 52294..52371		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o8.tm	Method	TBLASTX:Maize
Start	52449	End	54034
GI	none	Score	77
Exons	52449..52535, 52452..52541, 52453..52551, 52640..52732, 52666..52794, 52667..52798, 52810..52836, 52821..52856, 53516..53773, 53532..53774, 53747..53833, 53757..53825, 53945..54034, 53946..54020		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o5.tm	Method	TBLASTX:Maize
Start	54823	End	55249
GI	none	Score	257
Exons	54823..55071, 54823..55068, 54927..55079, 55051..55236, 55052..55249		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o7.ts	Method	TBLASTX:Soybean

Start	54905	End	55159
GI	none	Score	119
Exons	54905..55006, 54907..55023, 54910..55026, 55018..55065, 55018..55158, 55049..55159		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o6.ts	Method	TBLASTX:Soybean
Start	55277	End	55551
GI	none	Score	173
Exons	55277..55549, 55282..55551		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o3.ts	Method	TBLASTX:Soybean
Start	60892	End	62400
GI	none	Score	161
Exons	60892..60960, 61052..61213, 61069..61221, 61226..61306, 61346..61510, 61597..61632, 61686..61787, 61687..61821, 61822..61986, 61834..61917, 61981..62016, 62020..62085, 62254..62358, 62344..62400		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o7.tm	Method	TBLASTX:Maize
Start	61055	End	62331
GI	none	Score	101
Exons	61055..61198, 61069..61185, 61226..61300, 61343..61525, 61594..61632, 61686..61970, 61690..61971, 61813..61971, 62254..62331		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o7.tc	Method	TBLASTX:Cress
Start	61151	End	61513
GI	none	Score	61
Exons	61151..61213, 61225..61305, 61226..61306, 61343..61513, 61393..61440		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o5.tc	Method	TBLASTX:Cress
Start	61611	End	61971
GI	none	Score	258
Exons	61611..61646, 61686..61940, 61690..61971		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o4.ts	Method	TBLASTX:Soybean
Start	64519	End	65015
GI	none	Score	376

Exons	64519..64848, 64520..64858, 64524..64841, 64844..65011, 64845..65015		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o4.tc	Method	TBLASTX:Cress
Start	64520	End	64816
GI	none	Score	154
Exons	64520..64708, 64542..64679, 64543..64695, 64688..64816, 64707..64811		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o4.tw	Method	TBLASTX:Wheat
Start	64541	End	64672
GI	none	Score	114
Exons	64541..64672, 64542..64667, 64543..64668		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o4.tm	Method	TBLASTX:Maize
Start	64547	End	66000
GI	none	Score	624
Exons	64547..65011, 64548..65015, 65412..65594, 65413..65595, 65419..65595, 65959..66000, 65961..65999		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o5.tw	Method	TBLASTX:Wheat
Start	64703	End	64828
GI	none	Score	103
Exons	64703..64804, 64703..64828, 64707..64817		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o9.tc	Method	TBLASTX:Cress
Start	64820	End	65015
GI	none	Score	145
Exons	64820..65011, 64836..65015		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o8.ts	Method	TBLASTX:Soybean
Start	65398	End	67064
GI	none	Score	200
Exons	65398..65595, 65412..65594, 65425..65595, 65955..66098, 65961..66080, 65963..66103, 66197..66283, 66213..66284, 66858..66983, 66859..67059, 67035..67064		
Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-

Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o8.tc	Method	TBLASTX:Cress
Start	65412	End	66983
GI	none	Score	36
Exons	65412..65456, 65419..65457, 65448..65489, 65455..65487, 65556..65594, 65563..65607, 65955..66098, 65963..66103, 66188..66283, 66198..66284, 66841..66981, 66858..66983		

Seq. No.	36357	Seq. ID	OJ990728_09.9B18.C2
Gene No.	74819	Strand	-
Start	67368	End	67860
Name	OJ990728_09.9B18.C2.o19.gp	Method	AAT/GAP
Start	67368	End	67860
GI	none	Score	907
Exons	67368..67860		

Seq. No.	36358	Seq. ID	OJ990728_09.9B18.C3
Gene No.	74820	Strand	+
Start	1	End	101
Name	OJ990728_09.9B18.C3.o1.np	Method	AAT/NAP
Start	1	End	101
GI	6735314	Score	93
Exons	1..101		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	36359	Seq. ID	OJ990728_09.9B18.C4
Gene No.	74821	Strand	-
Start	426	End	802
Name	OJ990728_09.9B18.C4.o1.gs	Method	GENSCAN
Start	426	End	716
GI	none	Score	.56
Exons	426..716		

Seq. No.	36359	Seq. ID	OJ990728_09.9B18.C4
Gene No.	74821	Strand	-
Start	426	End	802
Name	OJ990728_09.9B18.C4.o1.np	Method	AAT/NAP
Start	470	End	802
GI	6705984	Score	80
Exons	470..802		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	36360	Seq. ID	OJ990728_09.9B18.C5
Gene No.	74822	Strand	-
Start	20	End	1301
Name	OJ990728_09.9B18.C5.o1.gs	Method	GENSCAN
Start	20	End	1301
GI	none	Score	.72
Exons	20..267, 752..1301		

Seq. No.	36361	Seq. ID	OJ990728_09.9B18.C9
Gene No.	74823	Strand	-
Start	1	End	595
Name	OJ990728_09.9B18.C9.o1.np	Method	AAT/NAP
Start	1	End	595
GI	2498930	Score	675
Exons	1..407, 575..595		

GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	36361	Seq. ID	OJ990728_09.9B18.C9
Gene No.	74823	Strand	-
Start	1	End	595
Name	OJ990728_09.9B18.C9.o1.gs	Method	GENSCAN
Start	14	End	581
GI	none	Score	1
Exons	14..407, 575..581		
Seq. No.	36362	Seq. ID	OJ990728_09.9B18.C10
Gene No.	74824	Strand	+
Start	613	End	936
Name	OJ990728_09.9B18.C10.o1.gs	Method	GENSCAN
Start	613	End	936
GI	none	Score	.82
Exons	613..936		
Seq. No.	36363	Seq. ID	OJ990728_09.9B18.C12
Gene No.	74825	Strand	+
Start	255	End	635
Name	OJ990728_09.9B18.C12.o1.gs	Method	GENSCAN
Start	255	End	635
GI	none	Score	.89
Exons	255..385, 602..635		
Seq. No.	36364	Seq. ID	OJ990728_09.9B18.C14
Gene No.	74826	Strand	-
Start	1	End	135
Name	OJ990728_09.9B18.C14.o1.gp	Method	AAT/GAP
Start	1	End	135
GI	none	Score	183
Exons	1..135		
Seq. No.	36364	Seq. ID	OJ990728_09.9B18.C14
Gene No.	74826	Strand	-
Start	1	End	135
Name	OJ990728_09.9B18.C14.o1.gs	Method	GENSCAN
Start	26	End	135
GI	none	Score	.75
Exons	26..135		
Seq. No.	36365	Seq. ID	OJ990728_09.9B18.C15
Gene No.	74827	Strand	+
Start	406	End	732
Name	OJ990728_09.9B18.C15.o1.gp	Method	AAT/GAP
Start	406	End	732
GI	549_1.R1084	Score	330
Exons	406..467, 564..732		
GI Descrip.	'3355468 2.0e-42 (AC004218) putative ribosomal protein L35 [Arabidopsis thaliana]'		
Seq. No.	36365	Seq. ID	OJ990728_09.9B18.C15
Gene No.	74827	Strand	+
Start	406	End	732
Name	OJ990728_09.9B18.C15.o1.gs	Method	GENSCAN

Start	464	End	699
GI	none	Score	.79
Exons	464..467, 564..699		

Seq. No.	36365	Seq. ID	OJ990728_09.9B18.C15
Gene No.	74827	Strand	+
Start	406	End	732
Name	OJ990728_09.9B18.C15.o1.np	Method	AAT/NAP
Start	560	End	732
GI	6682230	Score	179
Exons	560..732		
GI Descrip.	(AC016661) putative 60S ribosomal protein L35 [Arabidopsis thaliana]		

Seq. No.	36365	Seq. ID	OJ990728_09.9B18.C15
Gene No.	74827	Strand	+
Start	406	End	732
Name	OJ990728_09.9B18.C15.o1.tc	Method	TBLASTX:Cress
Start	562	End	700
GI	none	Score	185
Exons	562..699, 563..700		

Seq. No.	36365	Seq. ID	OJ990728_09.9B18.C15
Gene No.	74827	Strand	+
Start	406	End	732
Name	OJ990728_09.9B18.C15.o1.tm	Method	TBLASTX:Maize
Start	562	End	700
GI	none	Score	198
Exons	562..699, 563..700		

Seq. No.	36365	Seq. ID	OJ990728_09.9B18.C15
Gene No.	74827	Strand	+
Start	406	End	732
Name	OJ990728_09.9B18.C15.o1.tw	Method	TBLASTX:Wheat
Start	562	End	700
GI	none	Score	213
Exons	562..699, 563..700		

Seq. No.	36365	Seq. ID	OJ990728_09.9B18.C15
Gene No.	74827	Strand	+
Start	406	End	732
Name	OJ990728_09.9B18.C15.o1.ts	Method	TBLASTX:Soybean
Start	562	End	700
GI	none	Score	183
Exons	562..699, 563..700		

Seq. No.	36366	Seq. ID	OJ990728_09.9B18.C16
Gene No.	74828	Strand	-
Start	17	End	380
Name	OJ990728_09.9B18.C16.o1.gs	Method	GENSCAN
Start	17	End	380
GI	none	Score	.6
Exons	17..129, 144..380		

Seq. No.	36367	Seq. ID	OJ990618_03.9B19.C2
Gene No.	74829	Strand	-
Start	178	End	674

Name	OJ990618_03.9B19.C2.o1.tm	Method	TBLASTX:Maize
Start	160	End	637
GI	none	Score	63
Exons	160..276, 173..262, 180..269,	523..636,	524..637

Seq. No.	36367	Seq. ID	OJ990618_03.9B19.C2
Gene No.	74829	Strand	-
Start	178	End	674
Name	OJ990618_03.9B19.C2.o1.gs	Method	GENSCAN
Start	178	End	627
GI	none	Score	.89
Exons	178..267, 523..627		

Seq. No.	36367	Seq. ID	OJ990618_03.9B19.C2
Gene No.	74829	Strand	-
Start	178	End	674
Name	OJ990618_03.9B19.C2.o1.gp	Method	AAT/GAP
Start	237	End	674
GI	uC-osrocyp007f05b1	Score	326
Exons	237..267, 523..674		
GI Descrip.	'3212852 9.0e-14 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36368	Seq. ID	OJ990618_03.9B19.C3
Gene No.	74830	Strand	+
Start	5368	End	5918
Name	OJ990618_03.9B19.C3.o1.np	Method	AAT/NAP
Start	5365	End	5918
GI	2129742	Score	180
Exons	5365..5461, 5775..5918		
GI Descrip.	stress-induced protein OZI1 precursor - Arabidopsis thaliana gi|790583 (U20347) mRNA corresponding to this gene accumulates in response to ozone stress and pathogen (bacterial) infection; putative pathogenesis-related protein [Arabidopsis thaliana] gi|2252869 (AF013294) No definition line found [Arabidopsis thaliana]		

Seq. No.	36368	Seq. ID	OJ990618_03.9B19.C3
Gene No.	74830	Strand	+
Start	5368	End	5918
Name	OJ990618_03.9B19.C3.o2.gs	Method	GENSCAN
Start	5368	End	5914
GI	none	Score	.83
Exons	5368..5461, 5775..5914		

Seq. No.	36368	Seq. ID	OJ990618_03.9B19.C3
Gene No.	74831	Strand	+
Start	8161	End	9329
Name	OJ990618_03.9B19.C3.o3.gs	Method	GENSCAN
Start	8161	End	9329
GI	none	Score	.58
Exons	8161..8315, 9135..9329		

Seq. No.	36368	Seq. ID	OJ990618_03.9B19.C3
Gene No.	74831	Strand	+
Start	8161	End	9329
Name	OJ990618_03.9B19.C3.o1.gp	Method	AAT/GAP

Start	8930	End	9302
GI	none	Score	713
Exons	8930..9302		

Seq. No.	36368	Seq. ID	OJ990618_03.9B19.C3
Gene No.	74832	Strand	-
Start	1244	End	3854
Name	OJ990618_03.9B19.C3.o1.gs	Method	GENSCAN
Start	1244	End	3854
GI	none	Score	.75
Exons	1244..1374, 1799..1999, 2059..2192, 2317..2418, 2466..2610, 2675..2849, 3473..3535, 3573..3684, 3814..3854		

Seq. No.	36369	Seq. ID	OJ990618_03.9B19.C4
Gene No.	74833	Strand	+
Start	949	End	5045
Name	OJ990618_03.9B19.C4.o2.gp	Method	AAT/GAP
Start	949	End	5045
GI	none	Score	1596
Exons	949..1112, 2378..2409, 3065..3256, 4076..4126, 4502..4572, 4662..5045		

Seq. No.	36369	Seq. ID	OJ990618_03.9B19.C4
Gene No.	74834	Strand	+
Start	5348	End	6153
Name	OJ990618_03.9B19.C4.o2.gs	Method	GENSCAN
Start	5348	End	6153
GI	none	Score	.96
Exons	5348..5392, 5832..6028, 6075..6153		

Seq. No.	36369	Seq. ID	OJ990618_03.9B19.C4
Gene No.	74835	Strand	-
Start	1	End	109
Name	OJ990618_03.9B19.C4.o1.gp	Method	AAT/GAP
Start	1	End	109
GI	none	Score	182
Exons	1..109		

Seq. No.	36369	Seq. ID	OJ990618_03.9B19.C4
Gene No.	74836	Strand	
Start	3062	End	4750
Name	OJ990618_03.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	3062	End	4750
GI	none	Score	198
Exons	3062..3253, 3062..3253, 3063..3257, 3064..3258, 4078..4140, 4500..4547, 4659..4748, 4659..4739, 4661..4750		

Seq. No.	36370	Seq. ID	OJ990618_03.9B19.C5
Gene No.	74837	Strand	+
Start	581	End	1146
Name	OJ990618_03.9B19.C5.o1.gs	Method	GENSCAN
Start	581	End	1146
GI	none	Score	.41
Exons	581..766, 1049..1146		

Seq. No.	36370	Seq. ID	OJ990618_03.9B19.C5
Gene No.	74838	Strand	-

Start	2151	End	2594
Name	OJ990618_03.9B19.C5.o1.gp	Method	AAT/GAP
Start	2151	End	2594
GI	none	Score	828
Exons	2151..2594		

Seq. No.	36370	Seq. ID	OJ990618_03.9B19.C5
Gene No.	74839	Strand	-
Start	7798	End	14916
Name	OJ990618_03.9B19.C5.o1.np	Method	AAT/NAP
Start	7798	End	14766
GI	1022918	Score	115
Exons	7798..7860, 9038..9242, 10124..10205, 14385..14541, 14597..14766		
GI Descrip.	(U38184) ATPase subunit 6 [Trypanosoma cruzi]		

Seq. No.	36370	Seq. ID	OJ990618_03.9B19.C5
Gene No.	74839	Strand	-
Start	7798	End	14916
Name	OJ990618_03.9B19.C5.o2.gp	Method	AAT/GAP
Start	14454	End	14916
GI	702144	Score	851
Exons	14454..14916		

Seq. No.	36371	Seq. ID	OJ990618_03.9B19.C8
Gene No.	74840	Strand	-
Start	3697	End	8069
Name	OJ990618_03.9B19.C8.o1.gs	Method	GENSCAN
Start	3697	End	7443
GI	none	Score	.6
Exons	3697..3750, 4358..4433, 6044..6320, 6721..6807, 6831..6951, 7065..7174, 7272..7443		

Seq. No.	36371	Seq. ID	OJ990618_03.9B19.C8
Gene No.	74840	Strand	-
Start	3697	End	8069
Name	OJ990618_03.9B19.C8.o1.np	Method	AAT/NAP
Start	6665	End	8069
GI	4314358	Score	327
Exons	6665..6807, 6888..7436, 7529..7825, 8027..8069		
GI Descrip.	(AC006340) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	36371	Seq. ID	OJ990618_03.9B19.C8
Gene No.	74840	Strand	-
Start	3697	End	8069
Name	OJ990618_03.9B19.C8.o2.np	Method	AAT/NAP
Start	6695	End	8069
GI	4314358	Score	333
Exons	6695..6807, 6888..7436, 7529..7825, 8027..8069		
GI Descrip.	(AC006340) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74841	Strand	+
Start	3622	End	5644
Name	OJ990618_03.9B19.C9.o2.gs	Method	GENSCAN
Start	3622	End	5644
GI	none	Score	.79
Exons	3622..3762, 5444..5644		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74842	Strand	+
Start	6859	End	13060
Name	OJ990618_03.9B19.C9.o3.gs	Method	GENSCAN
Start	6859	End	8223
GI	none	Score	.97
Exons	6859..8223		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74842	Strand	+
Start	6859	End	13060
Name	OJ990618_03.9B19.C9.o2.np	Method	AAT/NAP
Start	6862	End	8211
GI	2586083	Score	636
Exons	6862..8211		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74842	Strand	+
Start	6859	End	13060
Name	OJ990618_03.9B19.C9.o1.gp	Method	AAT/GAP
Start	6970	End	13060
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	6970..7007, 8504..8529, 12985..13060		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74843	Strand	-
Start	4887	End	5427
Name	OJ990618_03.9B19.C9.o2.tm	Method	TBLASTX:Maize
Start	4690	End	5013
GI	none	Score	50
Exons	4690..4749, 4758..4901, 4759..4902, 4923..5012, 4923..5012, 4924..5013		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74843	Strand	-
Start	4887	End	5427
Name	OJ990618_03.9B19.C9.o1.np	Method	AAT/NAP
Start	4887	End	5427
GI	6630696	Score	680
Exons	4887..5427		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74843	Strand	-
Start	4887	End	5427
Name	OJ990618_03.9B19.C9.o1.tw	Method	TBLASTX:Wheat
Start	5023	End	5388
GI	none	Score	329
Exons	5023..5388, 5028..5384		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74844	Strand	
Start	7024	End	8282
Name	OJ990618_03.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	7024	End	8211
GI	none	Score	68
Exons	7024..7131, 7129..7206, 7132..7200, 7132..7413, 7135..7203, 7138..7200, 7188..7484, 7198..7542, 7198..7569, 7198..7359, 7204..7410, 7204..7410, 7204..7413, 7231..7413, 7273..7341, 7291..7566, 7408..7500, 7576..7731, 7576..7731, 7594..7731, 7600..7731, 7609..7764, 7696..8211, 7726..8211, 7735..7794, 7738..8151, 7738..8169, 7738..8037, 7738..8037, 7741..8211, 7750..8211, 7750..8211, 7756..8211, 7765..8211, 7798..8001, 7822..8064, 7867..8088, 7939..8145, 7954..8211, 8008..8082		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74844	Strand	
Start	7024	End	8282
Name	OJ990618_03.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	7135	End	8211
GI	none	Score	63
Exons	7135..7200, 7162..7215, 7165..7413, 7198..7560, 7204..7557, 7285..7569, 7654..7737, 7675..7986, 7735..8058, 7741..8211, 7741..8199, 7750..8211, 7750..8211, 7750..8130, 7825..7881, 7882..8211		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74844	Strand	
Start	7024	End	8282
Name	OJ990618_03.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	7204	End	8282
GI	none	Score	109
Exons	7204..7410, 7213..7413, 7573..7731, 7594..7731, 7600..7731, 7738..8151, 7741..8211, 7741..8211, 7750..8211, 7765..8211, 7804..8211, 8214..8282		

Seq. No.	36372	Seq. ID	OJ990618_03.9B19.C9
Gene No.	74844	Strand	
Start	7024	End	8282
Name	OJ990618_03.9B19.C9.o2.tw	Method	TBLASTX:Wheat
Start	7204	End	8211
GI	none	Score	64
Exons	7204..7320, 7273..7566, 7600..7731, 7690..7989, 7707..7856, 7810..8130, 7882..8205, 7954..8211		

Seq. No.	36373	Seq. ID	OJ990618_03.9B19.C10
Gene No.	74845	Strand	+
Start	1078	End	1307
Name	OJ990618_03.9B19.C10.o1.gs	Method	GENSCAN
Start	1078	End	1307
GI	none	Score	.87
Exons	1078..1307		

Seq. No.	36373	Seq. ID	OJ990618_03.9B19.C10
Gene No.	74846	Strand	-
Start	2558	End	3336
Name	OJ990618_03.9B19.C10.o2.gs	Method	GENSCAN

Start	2558	End	3336
GI	none	Score	.98
Exons	2558..2631, 3232..3336		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74847	Strand	+
Start	1	End	5471
Name	OJ990618_03.9B19.C11.o3.np	Method	AAT/NAP
Start	1	End	2634
GI	6069646	Score	120
Exons	1..44, 2485..2634		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74847	Strand	+
Start	1	End	5471
Name	OJ990618_03.9B19.C11.o1.gs	Method	GENSCAN
Start	891	End	3337
GI	none	Score	.54
Exons	891..1259, 1619..1804, 2234..2462, 2673..2933, 3216..3337		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74847	Strand	+
Start	1	End	5471
Name	OJ990618_03.9B19.C11.o2.np	Method	AAT/NAP
Start	900	End	4998
GI	2586083	Score	761
Exons	900..1605, 1681..2489, 4981..4998		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74847	Strand	+
Start	1	End	5471
Name	OJ990618_03.9B19.C11.o4.np	Method	AAT/NAP
Start	2624	End	5471
GI	6815052	Score	672
Exons	2624..2776, 2858..2933, 3216..3333, 3631..3730, 4576..4668, 5208..5471		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74848	Strand	-
Start	370	End	1675
Name	OJ990618_03.9B19.C11.o1.np	Method	AAT/NAP
Start	370	End	1675
GI	6815099	Score	96
Exons	370..498, 1584..1675		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74849	Strand	-
Start	3893	End	4730
Name	OJ990618_03.9B19.C11.o1.tc	Method	TBLASTX:Cress

Start	1185	End	2485
GI	none	Score	44
Exons	1185..1235, 1230..1373, 1236..1373, 1245..1373, 1254..1382, 1263..1376, 1275..1376, 1278..1373, 1411..1587, 1427..1645, 1427..1654, 1427..1630, 1430..1639, 1430..1693, 1430..1645, 1433..1588, 1433..1567, 1554..1640, 1682..1876, 1682..1837, 1682..1867, 1688..1876, 1763..1891, 1907..1990, 1916..1981, 1949..2230, 1988..2485, 1991..2329, 1991..2473, 1991..2473, 1994..2401, 2018..2473, 2072..2236, 2086..2265, 2090..2311, 2090..2485, 2135..2383, 2137..2268, 2138..2473, 2351..2473		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74849	Strand	-
Start	3893	End	4730
Name	OJ990618_03.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	1278	End	2485
GI	none	Score	69
Exons	1278..1373, 1420..1587, 1430..1645, 1433..1645, 1433..1633, 1988..2287, 1994..2404, 2003..2356, 2018..2485, 2087..2473, 2092..2259		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74849	Strand	-
Start	3893	End	4730
Name	OJ990618_03.9B19.C11.o1.tw	Method	TBLASTX:Wheat
Start	1308	End	2455
GI	none	Score	65
Exons	1308..1373, 1430..1639, 1463..1645, 1739..1831, 1823..1891, 1886..2239, 2066..2311, 2138..2383, 2204..2455		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74849	Strand	-
Start	3893	End	4730
Name	OJ990618_03.9B19.C11.o1.ts	Method	TBLASTX:Soybean
Start	1420	End	2494
GI	none	Score	130
Exons	1420..1464, 1430..1645, 1430..1663, 1430..1645, 1433..1645, 1433..1645, 1495..1587, 1682..1867, 1682..1876, 1682..1867, 1928..1981, 1988..2494, 1988..2464, 1988..2479, 1991..2404, 1994..2485, 2002..2265, 2014..2256, 2023..2184, 2129..2473, 2164..2271		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74849	Strand	-
Start	3893	End	4730
Name	OJ990618_03.9B19.C11.o2.tm	Method	TBLASTX:Maize
Start	1654	End	1987
GI	none	Score	201
Exons	1654..1884, 1655..1891, 1898..1987		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74849	Strand	-
Start	3893	End	4730
Name	OJ990618_03.9B19.C11.o2.gs	Method	GENSCAN
Start	3893	End	4730
GI	none	Score	.9
Exons	3893..4065, 4616..4730		

Seq. No.	36374	Seq. ID	OJ990618_03.9B19.C11
Gene No.	74850	Strand	
Start	4902	End	5228
Name	OJ990618_03.9B19.C11.o2.tw	Method	TBLASTX:Wheat
Start	4902	End	5228
GI	none	Score	178
Exons	4902..5228, 4926..5192		

Seq. No.	36375	Seq. ID	OJ990618_03.9B19.C12
Gene No.	74851	Strand	+
Start	47	End	201
Name	OJ990618_03.9B19.C12.o1.gs	Method	GENSCAN
Start	47	End	201
GI	none	Score	.82
Exons	47..201		

Seq. No.	36376	Seq. ID	OJ990618_03.9B19.C13
Gene No.	74852	Strand	-
Start	103	End	560
Name	OJ990618_03.9B19.C13.o1.np	Method	AAT/NAP
Start	103	End	560
GI	6691206	Score	200
Exons	103..560		
GI Descrip.	(AC007508) F1K23.11 [Arabidopsis thaliana]		

Seq. No.	36376	Seq. ID	OJ990618_03.9B19.C13
Gene No.	74852	Strand	-
Start	103	End	560
Name	OJ990618_03.9B19.C13.o1.gs	Method	GENSCAN
Start	119	End	475
GI	none	Score	.64
Exons	119..475		

Seq. No.	36376	Seq. ID	OJ990618_03.9B19.C13
Gene No.	74852	Strand	-
Start	103	End	560
Name	OJ990618_03.9B19.C13.o1.tm	Method	TBLASTX:Maize
Start	134	End	508
GI	none	Score	59
Exons	134..508, 180..353		

Seq. No.	36376	Seq. ID	OJ990618_03.9B19.C13
Gene No.	74852	Strand	-
Start	103	End	560
Name	OJ990618_03.9B19.C13.o1.tc	Method	TBLASTX:Cress
Start	143	End	508
GI	none	Score	68
Exons	143..325, 216..326, 320..508		

Seq. No.	36376	Seq. ID	OJ990618_03.9B19.C13
Gene No.	74852	Strand	-
Start	103	End	560
Name	OJ990618_03.9B19.C13.o1.ts	Method	TBLASTX:Soybean
Start	146	End	517
GI	none	Score	90
Exons	146..328, 183..329, 338..517		

Seq. No.	36376	Seq. ID	OJ990618_03.9B19.C13
Gene No.	74852	Strand	-
Start	103	End	560
Name	OJ990618_03.9B19.C13.o1.tw	Method	TBLASTX:Wheat
Start	146	End	511
GI	none	Score	47
Exons	146..511, 179..226, 204..314, 306..329, 396..509		

Seq. No.	36377	Seq. ID	OJ990618_03.9B19.C14
Gene No.	74853	Strand	+
Start	1	End	442
Name	OJ990618_03.9B19.C14.o1.gp	Method	AAT/GAP
Start	1	End	442
GI	LIB3432-059-P1-K1-D8	Score	692
Exons	1..442		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	36377	Seq. ID	OJ990618_03.9B19.C14
Gene No.	74854	Strand	+
Start	761	End	3584
Name	OJ990618_03.9B19.C14.o2.gp	Method	AAT/GAP
Start	761	End	2974
GI	2573_1.R1084	Score	1392
Exons	761..954, 1037..1131, 1949..2069, 2624..2974		
GI Descrip.	'3212852 9.0e-53 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36377	Seq. ID	OJ990618_03.9B19.C14
Gene No.	74854	Strand	+
Start	761	End	3584
Name	OJ990618_03.9B19.C14.o1.tm	Method	TBLASTX:Maize
Start	770	End	909
GI	none	Score	119
Exons	770..907, 783..908, 784..909, 790..909		

Seq. No.	36377	Seq. ID	OJ990618_03.9B19.C14
Gene No.	74854	Strand	+
Start	761	End	3584
Name	OJ990618_03.9B19.C14.o1.gs	Method	GENSCAN
Start	784	End	3548
GI	none	Score	.53
Exons	784..954, 1037..1131, 1949..2069, 2960..3189, 3234..3548		

Seq. No.	36377	Seq. ID	OJ990618_03.9B19.C14
Gene No.	74854	Strand	+
Start	761	End	3584
Name	OJ990618_03.9B19.C14.o1.np	Method	AAT/NAP
Start	784	End	2752
GI	3212852	Score	417
Exons	784..1131, 1949..2069, 2624..2752		
GI Descrip.	(AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	36377	Seq. ID	OJ990618_03.9B19.C14
Gene No.	74854	Strand	+
Start	761	End	3584

Name	OJ990618_03.9B19.C14.o2.np	Method	AAT/NAP
Start	3223	End	3584
GI	5734634	Score	159
Exons	3223..3584		
GI Descrip.	(AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74855	Strand	+
Start	1103	End	1907
Name	OJ990618_03.9B19.C15.o1.gs	Method	GENSCAN
Start	1103	End	1907
GI	none	Score	.91
Exons	1103..1159, 1476..1907		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74856	Strand	-
Start	1	End	1772
Name	OJ990618_03.9B19.C15.o1.gp	Method	AAT/GAP
Start	1	End	1772
GI	22764_1.R1084	Score	703
Exons	1..207, 1581..1772		
GI Descrip.	'5931761/emb|CAB56614.1| 2.0e-36 (AJ234901) acetolactate synthase small subunit [Nicotiana plumbaginifolia]'		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o2.tm	Method	TBLASTX:Maize
Start	1	End	1751
GI	none	Score	42
Exons	1..30, 3..32, 129..209, 131..208, 136..210, 1578..1751, 1579..1704		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o1.tw	Method	TBLASTX:Wheat
Start	45	End	1704
GI	none	Score	52
Exons	45..110, 46..102, 107..202, 129..209, 129..209, 1579..1617, 1581..1703, 1582..1620, 1669..1704		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o2.ts	Method	TBLASTX:Soybean
Start	129	End	1751
GI	none	Score	98
Exons	129..209, 131..208, 136..210, 1578..1751, 1579..1704		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o1.tm	Method	TBLASTX:Maize
Start	2317	End	6478
GI	none	Score	128
Exons	2317..2427, 2342..2428, 2343..2429, 2345..2428, 2829..2918,		

2839..2919, 2849..2923, 3231..3365, 3239..3388, 3239..3391,
3240..3401, 3443..3589, 3452..3541, 3463..3594, 3468..3614,
3501..3587, 3658..3765, 3662..3766, 3663..3767, 3663..3758,
4123..4215, 4128..4220, 4148..4222, 4834..4902, 4835..4897,
4893..4994, 4893..4997, 4900..4995, 5077..5181, 5077..5163,
5078..5164, 5081..5164, 5220..5312, 5234..5332, 5240..5314,
5240..5314, 5250..5297, 5266..5331, 5376..5516, 5397..5516,
5424..5513, 6356..6478, 6360..6476, 6370..6477

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o1.np	Method	AAT/NAP
Start	2340	End	6478
GI	4887755	Score	1062
Exons	2340..2426, 2852..2917, 3233..3385, 3464..3586, 3693..3767, 4129..4215, 4842..4994, 5071..5163, 5243..5311, 5427..5510, 6371..6478		
GI Descrip.	(AC006533) putative acetolactate synthase [Arabidopsis thaliana]		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o2.gs	Method	GENSCAN
Start	2343	End	6454
GI	none	Score	.84
Exons	2343..2426, 2852..2917, 3233..3385, 3464..3586, 3663..3767, 4129..4215, 4836..4994, 5243..5311, 5427..5510, 6371..6454		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o1.tc	Method	TBLASTX:Cress
Start	2346	End	5513
GI	none	Score	115
Exons	2346..2429, 2350..2427, 2829..2927, 2832..2921, 2849..2923, 3228..3386, 3239..3388, 3239..3349, 3242..3400, 3452..3589, 3464..3589, 3658..3765, 3663..3767, 4123..4215, 4879..4995, 4881..4997, 4884..4997, 5077..5181, 5077..5163, 5078..5176, 5081..5164, 5234..5314, 5240..5311, 5240..5314, 5409..5474, 5424..5513		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o1.ts	Method	TBLASTX:Soybean
Start	2859	End	6478
GI	none	Score	107
Exons	2859..2945, 3239..3391, 3452..3541, 3663..3764, 5077..5163, 5081..5164, 5240..5302, 5397..5516, 6356..6478, 6360..6476		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o2.gp	Method	AAT/GAP
Start	3859	End	3925
GI	3760640	Score	88

Exons	3859..3925		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	36378	Seq. ID	OJ990618_03.9B19.C15
Gene No.	74857	Strand	-
Start	2343	End	6478
Name	OJ990618_03.9B19.C15.o3.gp	Method	AAT/GAP
Start	4856	End	5477
GI	700146	Score	611
Exons	4856..4994, 5080..5163, 5243..5311, 5427..5477		
GI Descrip.	5931761/emb|CAB56614.1| 2.0e-36 (AJ234901) acetolactate synthase small subunit [Nicotiana plumbaginifolia]		

Seq. No.	36379	Seq. ID	OJ990618_03.9B19.C16
Gene No.	74858	Strand	+
Start	408	End	3696
Name	OJ990618_03.9B19.C16.o1.gs	Method	GENSCAN
Start	408	End	3696
GI	none	Score	.44
Exons	408..524, 714..759, 2729..2894, 3104..3231, 3496..3696		

Seq. No.	36380	Seq. ID	OJ990618_03.9B19.C17
Gene No.	74859	Strand	+
Start	1	End	1353
Name	OJ990618_03.9B19.C17.o1.gs	Method	GENSCAN
Start	1	End	909
GI	none	Score	.64
Exons	1..234, 515..589, 706..909		

Seq. No.	36380	Seq. ID	OJ990618_03.9B19.C17
Gene No.	74859	Strand	+
Start	1	End	1353
Name	OJ990618_03.9B19.C17.o1.np	Method	AAT/NAP
Start	1	End	1353
GI	4887756	Score	461
Exons	1..234, 515..589, 706..782, 1165..1353		
GI Descrip.	(AC006533) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	36380	Seq. ID	OJ990618_03.9B19.C17
Gene No.	74859	Strand	+
Start	1	End	1353
Name	OJ990618_03.9B19.C17.o1.tc	Method	TBLASTX:Cress
Start	3	End	180
GI	none	Score	232
Exons	3..53, 4..180, 132..176		

Seq. No.	36380	Seq. ID	OJ990618_03.9B19.C17
Gene No.	74859	Strand	+
Start	1	End	1353
Name	OJ990618_03.9B19.C17.o1.ts	Method	TBLASTX:Soybean
Start	4	End	198
GI	none	Score	251
Exons	4..198, 4..198		

Seq. No.	36380	Seq. ID	OJ990618_03.9B19.C17
Gene No.	74859	Strand	+

Start	1	End	1353
Name	OJ990618_03.9B19.C17.o1.tm	Method	TBLASTX:Maize
Start	16	End	786
GI	none	Score	187
Exons	16..240, 132..233, 721..786		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o1.np	Method	AAT/NAP
Start	1	End	2944
GI	4887756	Score	604
Exons	1..47, 331..451, 672..755, 846..928, 1035..1124, 1868..1989, 2140..2301, 2812..2944		
GI Descrip.	(AC006533) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o2.tc	Method	TBLASTX:Cress
Start	328	End	929
GI	none	Score	185
Exons	328..444, 332..451, 332..445, 671..748, 672..752, 864..887, 894..929		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o2.ts	Method	TBLASTX:Soybean
Start	331	End	2254
GI	none	Score	181
Exons	331..441, 332..451, 332..451, 671..748, 672..752, 863..901, 864..929, 1025..1063, 1033..1131, 1902..1988, 2147..2254, 2176..2247		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o1.gs	Method	GENSCAN
Start	425	End	12126
GI	none	Score	.77
Exons	425..451, 672..751, 1035..1150, 1900..1985, 2177..2301, 3031..3137, 4941..5058, 6124..6621, 6728..7040, 7234..7479, 7572..7681, 7751..7843, 8689..8815, 9501..9565, 9660..9831, 11200..11267, 11364..11511, 12067..12126		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o4.tm	Method	TBLASTX:Maize
Start	894	End	3097
GI	none	Score	48
Exons	894..923, 1036..1155, 1038..1151, 1039..1155, 1898..2011, 1900..1983, 1901..1984, 1902..2000, 2150..2302, 2174..2311, 2176..2319, 2812..2946, 2813..2944, 2813..2962, 2817..2954, 3065..3097		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o3.tm	Method	TBLASTX:Maize
Start	6000	End	6260
GI	none	Score	215
Exons	6000..6074, 6010..6237, 6013..6225, 6014..6253, 6014..6256, 6015..6257, 6114..6260		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o2.np	Method	AAT/NAP
Start	6245	End	9566
GI	2190544	Score	1251
Exons	6245..6621, 6728..7040, 7333..7479, 7572..7660, 7751..7843, 8689..8815, 9501..9566		
GI Descrip.	(AC001229) Similar to Saccharomyces hypothetical protein P9642.2 (gb|U40828). [Arabidopsis thaliana]		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o1.tm	Method	TBLASTX:Maize
Start	6433	End	7008
GI	none	Score	208
Exons	6433..6621, 6441..6479, 6448..6621, 6449..6628, 6720..6947, 6725..7006, 6726..7007, 6730..6996, 6767..7006, 6835..7008		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o1.tc	Method	TBLASTX:Cress
Start	6905	End	7407
GI	none	Score	211
Exons	6905..7042, 6906..7040, 7330..7407		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o1.ts	Method	TBLASTX:Soybean
Start	7326	End	7838
GI	none	Score	213
Exons	7326..7478, 7330..7482, 7566..7661, 7566..7661, 7574..7675, 7746..7832, 7749..7838		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o2.tm	Method	TBLASTX:Maize
Start	7330	End	9831
GI	none	Score	240
Exons	7330..7482, 7330..7479, 7332..7481, 7566..7670, 7566..7655, 7567..7671, 7571..7660, 7642..7665, 7758..7844, 7760..7861, 7761..7844, 8669..8818, 8689..8832, 9498..9542, 9498..9563, 9499..9564, 9500..9565, 9500..9565, 9651..9758, 9658..9831, 9658..9831		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o1.gp	Method	AAT/GAP
Start	7746	End	9683
GI	702180	Score	552
Exons	7746..7843, 8689..8815, 9501..9565, 9660..9683		
GI Descrip.	2190544 1.0e-32 (AC001229) Similar to Saccharomyces hypothetical protein P9642.2 (gb_U40828). [Arabidopsis thaliana]		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o3.ts	Method	TBLASTX:Soybean
Start	8670	End	9832
GI	none	Score	78
Exons	8670..8813, 8686..8817, 8690..8818, 9498..9542, 9500..9565, 9505..9573, 9651..9743, 9658..9795, 9751..9831, 9757..9831, 9758..9832		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o3.np	Method	AAT/NAP
Start	9670	End	12129
GI	2190543	Score	313
Exons	9670..9744, 10815..11059, 11177..11247, 11364..11511, 12067..12129		
GI Descrip.	(AC001229) EST gb|N37484 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	36381	Seq. ID	OJ990618_03.9B19.C18
Gene No.	74860	Strand	+
Start	1	End	12129
Name	OJ990618_03.9B19.C18.o2.gp	Method	AAT/GAP
Start	10855	End	11524
GI	9702_1.R1084	Score	566
Exons	10855..11027, 11200..11247, 11364..11524		
GI Descrip.	'2190543 1.0e-12 (AC001229) EST gb_N37484 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	36382	Seq. ID	OJ990618_03.9B19.C19
Gene No.	74861	Strand	+
Start	131	End	216
Name	OJ990618_03.9B19.C19.o1.gs	Method	GENSCAN
Start	131	End	216
GI	none	Score	1
Exons	131..216		

Seq. No.	36382	Seq. ID	OJ990618_03.9B19.C19
Gene No.	74862	Strand	-
Start	194	End	412
Name	OJ990618_03.9B19.C19.o1.gp	Method	AAT/GAP
Start	194	End	412
GI	1398_1.R1084	Score	358
Exons	194..412		

GI Descrip.	'2190544 1.0e-32 (AC001229) Similar to Saccharomyces hypothetical protein P9642.2 (gb_U40828). [Arabidopsis thaliana]'		
Seq. No.	36383	Seq. ID	OJ990408_08.9B12.C3
Gene No.	74863	Strand	-
Start	191	End	507
Name	OJ990408_08.9B12.C3.o1.gs	Method	GENSCAN
Start	191	End	507
GI	none	Score	.4
Exons	191..426, 438..507		
Seq. No.	36384	Seq. ID	OJ990408_08.9B12.C5
Gene No.	74864	Strand	-
Start	213	End	251
Name	OJ990408_08.9B12.C5.o1.gs	Method	GENSCAN
Start	213	End	251
GI	none	Score	.51
Exons	213..251		
Seq. No.	36385	Seq. ID	OJ990408_08.9B12.C6
Gene No.	74865	Strand	-
Start	302	End	377
Name	OJ990408_08.9B12.C6.o1.gs	Method	GENSCAN
Start	302	End	377
GI	none	Score	.43
Exons	302..377		
Seq. No.	36385	Seq. ID	OJ990408_08.9B12.C6
Gene No.	74866	Strand	-
Start	309	End	636
Name	OJ990408_08.9B12.C6.o1.gp	Method	AAT/GAP
Start	309	End	636
GI	uC-osflcyp162h03a1	Score	614
Exons	309..636		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	36386	Seq. ID	OJ990408_08.9B12.C7
Gene No.	74867	Strand	+
Start	204	End	321
Name	OJ990408_08.9B12.C7.o1.gs	Method	GENSCAN
Start	204	End	321
GI	none	Score	.49
Exons	204..321		
Seq. No.	36387	Seq. ID	OJ990408_08.9B12.C8
Gene No.	74868	Strand	+
Start	1	End	641
Name	OJ990408_08.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	641
GI	6630699	Score	87
Exons	1..85, 547..641		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	36388	Seq. ID	OJ990408_08.9B12.C9
Gene No.	74869	Strand	-
Start	1	End	468
Name	OJ990408_08.9B12.C9.o1.np	Method	AAT/NAP
Start	1	End	468
GI	4206309	Score	438
Exons	1..468		
GI Descrip.	(AF049112) prpol [Zea mays]		

Seq. No.	36388	Seq. ID	OJ990408_08.9B12.C9
Gene No.	74869	Strand	-
Start	1	End	468
Name	OJ990408_08.9B12.C9.o1.gs	Method	GENSCAN
Start	80	End	375
GI	none	Score	.68
Exons	80..375		

Seq. No.	36388	Seq. ID	OJ990408_08.9B12.C9
Gene No.	74869	Strand	-
Start	1	End	468
Name	OJ990408_08.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	127	End	468
GI	none	Score	192
Exons	127..468		

Seq. No.	36388	Seq. ID	OJ990408_08.9B12.C9
Gene No.	74869	Strand	-
Start	1	End	468
Name	OJ990408_08.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	208	End	417
GI	none	Score	92
Exons	208..417, 251..391		

Seq. No.	36388	Seq. ID	OJ990408_08.9B12.C9
Gene No.	74869	Strand	-
Start	1	End	468
Name	OJ990408_08.9B12.C9.o1.tw	Method	TBLASTX:Wheat
Start	211	End	468
GI	none	Score	39
Exons	211..468, 215..292, 320..466, 367..468		

Seq. No.	36389	Seq. ID	OJ990408_08.9B12.C10
Gene No.	74870	Strand	+
Start	1112	End	1547
Name	OJ990408_08.9B12.C10.o1.gs	Method	GENSCAN
Start	1112	End	1547
GI	none	Score	1
Exons	1112..1547		

Seq. No.	36390	Seq. ID	OJ990408_08.9B12.C12
Gene No.	74871	Strand	+
Start	1	End	790
Name	OJ990408_08.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	790
GI	4378066	Score	303
Exons	1..652, 712..790		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor]		

gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]

Seq. No.	36390	Seq. ID	OJ990408_08.9B12.C12
Gene No.	74871	Strand	+
Start	1	End	790
Name	OJ990408_08.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	59	End	334
GI	none	Score	248
Exons	59..334, 61..165		

Seq. No.	36390	Seq. ID	OJ990408_08.9B12.C12
Gene No.	74871	Strand	+
Start	1	End	790
Name	OJ990408_08.9B12.C12.o1.gs	Method	GENSCAN
Start	86	End	748
GI	none	Score	.83
Exons	86..748		

Seq. No.	36390	Seq. ID	OJ990408_08.9B12.C12
Gene No.	74871	Strand	+
Start	1	End	790
Name	OJ990408_08.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	98	End	421
GI	none	Score	192
Exons	98..421		

Seq. No.	36391	Seq. ID	OJ990408_08.9B12.C13
Gene No.	74872	Strand	-
Start	1	End	436
Name	OJ990408_08.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	436
GI	2832245	Score	165
Exons	1..436		
GI Descrip.	(AF031569) hypothetical protein [Zea mays]		

Seq. No.	36392	Seq. ID	OJ990408_08.9B12.C14
Gene No.	74873	Strand	-
Start	1	End	420
Name	OJ990408_08.9B12.C14.o1.np	Method	AAT/NAP
Start	1	End	420
GI	283004	Score	207
Exons	1..158, 360..420		
GI Descrip.	DNA-binding protein Gt-2 - rice gi|20249|emb|CAA48328| (X68261) gt-2 [Oryza sativa]		

Seq. No.	36392	Seq. ID	OJ990408_08.9B12.C14
Gene No.	74873	Strand	-
Start	1	End	420
Name	OJ990408_08.9B12.C14.o1.ts	Method	TBLASTX:Soybean
Start	5	End	159
GI	none	Score	86
Exons	5..130, 24..158, 25..159		

Seq. No.	36392	Seq. ID	OJ990408_08.9B12.C14
Gene No.	74873	Strand	-
Start	1	End	420

Name	OJ990408_08.9B12.C14.o1.gs	Method	GENSCAN
Start	18	End	156
GI	none	Score	1
Exons	18..156		

Seq. No.	36392	Seq. ID	OJ990408_08.9B12.C14
Gene No.	74873	Strand	-
Start	1	End	420
Name	OJ990408_08.9B12.C14.o1.tc	Method	TBLASTX:Cress
Start	21	End	162
GI	none	Score	131
Exons	21..158, 25..162, 51..152, 67..141		

Seq. No.	36392	Seq. ID	OJ990408_08.9B12.C14
Gene No.	74873	Strand	-
Start	1	End	420
Name	OJ990408_08.9B12.C14.o1.tm	Method	TBLASTX:Maize
Start	24	End	161
GI	none	Score	197
Exons	24..161, 26..157		

Seq. No.	36393	Seq. ID	OJ990408_08.9B12.C15
Gene No.	74874	Strand	-
Start	1097	End	1452
Name	OJ990408_08.9B12.C15.o1.gs	Method	GENSCAN
Start	1097	End	1452
GI	none	Score	.91
Exons	1097..1141, 1226..1452		

Seq. No.	36394	Seq. ID	OJ990408_08.9B12.C16
Gene No.	74875	Strand	-
Start	1	End	4842
Name	OJ990408_08.9B12.C16.o2.np	Method	AAT/NAP
Start	1	End	4179
GI	6721547	Score	104
Exons	1..51, 3006..3098, 4088..4179		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	36394	Seq. ID	OJ990408_08.9B12.C16
Gene No.	74875	Strand	-
Start	1	End	4842
Name	OJ990408_08.9B12.C16.o1.gs	Method	GENSCAN
Start	27	End	4200
GI	none	Score	.4
Exons	27..61, 2169..2230, 2579..2653, 2778..3154, 4095..4200		

Seq. No.	36394	Seq. ID	OJ990408_08.9B12.C16
Gene No.	74875	Strand	-
Start	1	End	4842
Name	OJ990408_08.9B12.C16.o1.np	Method	AAT/NAP
Start	1176	End	4842
GI	1091678	Score	152
Exons	1176..1261, 2319..2603, 2912..3037, 4776..4842		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	36394	Seq. ID	OJ990408_08.9B12.C16
Gene No.	74875	Strand	-

Start	1	End	4842
Name	OJ990408_08.9B12.C16.o1.tm	Method	TBLASTX:Maize
Start	2169	End	2523
GI	none	Score	186
Exons	2169..2222, 2323..2523, 2327..2521		

Seq. No.	36394	Seq. ID	OJ990408_08.9B12.C16
Gene No.	74875	Strand	-
Start	1	End	4842
Name	OJ990408_08.9B12.C16.o1.ts	Method	TBLASTX:Soybean
Start	2338	End	2551
GI	none	Score	142
Exons	2338..2541, 2339..2551		

Seq. No.	36395	Seq. ID	OJ990408_08.9B12.C17
Gene No.	74876	Strand	+
Start	1381	End	1708
Name	OJ990408_08.9B12.C17.o1.gp	Method	AAT/GAP
Start	1381	End	1708
GI	uC-osflcyp162h03a1	Score	531
Exons	1381..1708		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	36395	Seq. ID	OJ990408_08.9B12.C17
Gene No.	74877	Strand	-
Start	2159	End	2590
Name	OJ990408_08.9B12.C17.o1.np	Method	AAT/NAP
Start	2159	End	2590
GI	4773907	Score	132
Exons	2159..2590		
GI Descrip.	(AF074021) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36395	Seq. ID	OJ990408_08.9B12.C17
Gene No.	74877	Strand	-
Start	2159	End	2590
Name	OJ990408_08.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	2258	End	2546
GI	none	Score	99
Exons	2258..2326, 2259..2330, 2259..2405, 2350..2451, 2456..2521, 2457..2546		

Seq. No.	36396	Seq. ID	OJ990408_08.9B12.C18
Gene No.	74878	Strand	+
Start	389	End	927
Name	OJ990408_08.9B12.C18.o1.gs	Method	GENSCAN
Start	389	End	927
GI	none	Score	.57
Exons	389..564, 597..640, 782..927		

Seq. No.	36396	Seq. ID	OJ990408_08.9B12.C18
Gene No.	74879	Strand	-
Start	1128	End	5598
Name	OJ990408_08.9B12.C18.o1.np	Method	AAT/NAP
Start	1128	End	3424
GI	3834307	Score	372
Exons	1128..1318, 1412..1623, 2241..2396, 3115..3424		

GI Descrip.	(AC005679) Strong similarity to gene T10I14.120 gi|2832679 putative protein from Arabidopsis thaliana BAC gb|AL021712. ESTs gb|N65887 and gb|N65627 come from this gene. [Arabidopsis thaliana]		

Seq. No.	36396	Seq. ID	OJ990408_08.9B12.C18
Gene No.	74879	Strand	-
Start	1128	End	5598
Name	OJ990408_08.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	1154	End	1626
GI	none	Score	105
Exons	1154..1318, 1156..1317, 1385..1615, 1438..1509, 1513..1626		

Seq. No.	36396	Seq. ID	OJ990408_08.9B12.C18
Gene No.	74879	Strand	-
Start	1128	End	5598
Name	OJ990408_08.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	1162	End	2345
GI	none	Score	106
Exons	1162..1269, 1163..1276, 1235..1318, 1237..1317, 1264..1320, 1394..1624, 1394..1624, 1408..1626, 1411..1626, 2241..2345, 2242..2343		

Seq. No.	36396	Seq. ID	OJ990408_08.9B12.C18
Gene No.	74879	Strand	-
Start	1128	End	5598
Name	OJ990408_08.9B12.C18.o2.gs	Method	GENSCAN
Start	3070	End	5598
GI	none	Score	.43
Exons	3070..3535, 3929..4009, 4545..4843, 5506..5598		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74880	Strand	+
Start	996	End	1579
Name	OJ990408_08.9B12.C19.o1.gs	Method	GENSCAN
Start	996	End	1579
GI	none	Score	.66
Exons	996..1080, 1401..1579		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74881	Strand	+
Start	3199	End	6533
Name	OJ990408_08.9B12.C19.o2.np	Method	AAT/NAP
Start	3199	End	6533
GI	5295967	Score	41
Exons	3199..3373, 3421..3447, 4024..4172, 6482..6533		
GI Descrip.	(AB026295) Similar to Lycopersicon esculentum pT53 mRNA for wound-repressed gene, partial cds.(X59883) [Oryza sativa]		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74882	Strand	-
Start	2191	End	3537
Name	OJ990408_08.9B12.C19.o1.gp	Method	AAT/GAP
Start	2191	End	2933
GI	none	Score	1451
Exons	2191..2933		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74882	Strand	-
Start	2191	End	3537
Name	OJ990408_08.9B12.C19.o1.np	Method	AAT/NAP
Start	2721	End	3468
GI	5006857	Score	331
Exons	2721..2934, 3052..3468		
GI Descrip.	(AF145730) homeodomain leucine zipper protein [Oryza sativa]		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74882	Strand	-
Start	2191	End	3537
Name	OJ990408_08.9B12.C19.o1.tw	Method	TBLASTX:Wheat
Start	3049	End	3325
GI	none	Score	125
Exons	3049..3324, 3107..3325		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74882	Strand	-
Start	2191	End	3537
Name	OJ990408_08.9B12.C19.o1.ts	Method	TBLASTX:Soybean
Start	3049	End	3325
GI	none	Score	256
Exons	3049..3324, 3050..3325		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74882	Strand	-
Start	2191	End	3537
Name	OJ990408_08.9B12.C19.o1.tm	Method	TBLASTX:Maize
Start	3049	End	3325
GI	none	Score	262
Exons	3049..3324, 3062..3325		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74882	Strand	-
Start	2191	End	3537
Name	OJ990408_08.9B12.C19.o1.tc	Method	TBLASTX:Cress
Start	3049	End	3318
GI	none	Score	67
Exons	3049..3276, 3137..3208, 3265..3318, 3272..3310		

Seq. No.	36397	Seq. ID	OJ990408_08.9B12.C19
Gene No.	74882	Strand	-
Start	2191	End	3537
Name	OJ990408_08.9B12.C19.o2.gp	Method	AAT/GAP
Start	3138	End	3537
GI	25184_1.R1084	Score	751
Exons	3138..3537		
GI Descrip.	'5006857/gb|AAD37699.1|AF145730_1 1.0e-19 (AF145730) homeodomain leucine zipper protein [Oryza sativa]'		

Seq. No.	36398	Seq. ID	OJ990408_08.9B12.C20
Gene No.	74883	Strand	-
Start	688	End	755
Name	OJ990408_08.9B12.C20.o1.gs	Method	GENSCAN
Start	688	End	755
GI	none	Score	.62

Exons	688..755		
Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74884	Strand	+
Start	274	End	1974
Name	OJ990408_08.9B12.C21.o1.gs	Method	GENSCAN
Start	274	End	1974
GI	none	Score	.5
Exons	274..461, 1016..1152, 1176..1306, 1837..1974		
Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476
Name	OJ990408_08.9B12.C21.o3.tm	Method	TBLASTX:Maize
Start	1775	End	2536
GI	none	Score	202
Exons	1775..1933, 1775..1933, 1777..1935, 1777..1935, 2488..2535, 2489..2536		
Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476
Name	OJ990408_08.9B12.C21.o2.gs	Method	GENSCAN
Start	2351	End	3315
GI	none	Score	.7
Exons	2351..2425, 2491..3315		
Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476
Name	OJ990408_08.9B12.C21.o1.ts	Method	TBLASTX:Soybean
Start	2569	End	3109
GI	none	Score	70
Exons	2569..2643, 2570..2644, 2645..2743, 2647..2808, 2664..2759, 2830..3003, 2831..2908, 2839..2910, 2945..3004, 3034..3108, 3059..3109		
Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476
Name	OJ990408_08.9B12.C21.o1.tm	Method	TBLASTX:Maize
Start	2587	End	2999
GI	none	Score	239
Exons	2587..2952, 2588..2743, 2592..2939, 2593..2949, 2941..2997, 2955..2999, 2956..2997		
Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476
Name	OJ990408_08.9B12.C21.o1.gp	Method	AAT/GAP
Start	2922	End	3272
GI	3107825	Score	675
Exons	2922..3272		
Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476

Name	OJ990408_08.9B12.C21.o1.tc	Method	TBLASTX:Cress
Start	2947	End	3456
GI	none	Score	46
Exons	2947..3204, 2951..3004, 3034..3141, 3062..3166, 3121..3243, 3176..3247, 3176..3247, 3235..3276, 3316..3456, 3317..3448		

Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476
Name	OJ990408_08.9B12.C21.o2.tm	Method	TBLASTX:Maize
Start	3109	End	3458
GI	none	Score	157
Exons	3109..3270, 3109..3276, 3113..3274, 3281..3442, 3283..3456, 3285..3443, 3293..3448, 3294..3458		

Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476
Name	OJ990408_08.9B12.C21.o1.tw	Method	TBLASTX:Wheat
Start	3148	End	3476
GI	none	Score	146
Exons	3148..3276, 3149..3274, 3153..3284, 3266..3448, 3276..3476, 3281..3442, 3283..3456		

Seq. No.	36399	Seq. ID	OJ990408_08.9B12.C21
Gene No.	74885	Strand	-
Start	2351	End	3476
Name	OJ990408_08.9B12.C21.o2.ts	Method	TBLASTX:Soybean
Start	3319	End	3448
GI	none	Score	136
Exons	3319..3444, 3320..3448		

Seq. No.	36400	Seq. ID	OJ990408_08.9B12.C22
Gene No.	74886	Strand	-
Start	1	End	5589
Name	OJ990408_08.9B12.C22.o1.np	Method	AAT/NAP
Start	1	End	3890
GI	3080398	Score	75
Exons	1..113, 362..469, 576..613, 712..802, 1915..2067, 3865..3890		
GI Descrip.	(AL022603) putative protein [Arabidopsis thaliana]		

Seq. No.	36400	Seq. ID	OJ990408_08.9B12.C22
Gene No.	74886	Strand	-
Start	1	End	5589
Name	OJ990408_08.9B12.C22.o1.tm	Method	TBLASTX:Maize
Start	57	End	2026
GI	none	Score	93
Exons	57..158, 58..156, 323..481, 327..482, 574..606, 575..619, 704..802, 705..803, 707..805, 1855..2025, 1913..2026		

Seq. No.	36400	Seq. ID	OJ990408_08.9B12.C22
Gene No.	74886	Strand	-
Start	1	End	5589
Name	OJ990408_08.9B12.C22.o1.ts	Method	TBLASTX:Soybean
Start	57	End	2011
GI	none	Score	142
Exons	57..158, 282..470, 323..481, 341..502, 346..501, 572..619,		

574..612, 704..802, 705..803, 1901..2011, 1912..2010

Seq. No.	36400	Seq. ID	OJ990408_08.9B12.C22
Gene No.	74886	Strand	-
Start	1	End	5589
Name	OJ990408_08.9B12.C22.o1.gs	Method	GENSCAN
Start	323	End	5589
GI	none	Score	.42
Exons	323..469, 1915..2271, 2369..2782, 4208..4504, 4554..4774, 4884..4981, 5277..5371, 5469..5589		

Seq. No.	36400	Seq. ID	OJ990408_08.9B12.C22
Gene No.	74886	Strand	-
Start	1	End	5589
Name	OJ990408_08.9B12.C22.o2.tm	Method	TBLASTX:Maize
Start	2105	End	2473
GI	none	Score	35
Exons	2105..2128, 2105..2143, 2123..2272, 2131..2271, 2360..2473, 2366..2458, 2367..2459		

Seq. No.	36400	Seq. ID	OJ990408_08.9B12.C22
Gene No.	74886	Strand	-
Start	1	End	5589
Name	OJ990408_08.9B12.C22.o3.tm	Method	TBLASTX:Maize
Start	2572	End	2849
GI	none	Score	67
Exons	2572..2658, 2573..2653, 2595..2678, 2610..2678, 2643..2849, 2670..2837		

Seq. No.	36401	Seq. ID	OJ990408_08.9B12.C23
Gene No.	74887	Strand	+
Start	1441	End	1591
Name	OJ990408_08.9B12.C23.o1.gs	Method	GENSCAN
Start	1441	End	1591
GI	none	Score	.49
Exons	1441..1591		

Seq. No.	36402	Seq. ID	OJ990408_08.9B12.C25
Gene No.	74888	Strand	+
Start	340	End	467
Name	OJ990408_08.9B12.C25.o1.gs	Method	GENSCAN
Start	340	End	467
GI	none	Score	.89
Exons	340..467		

Seq. No.	36402	Seq. ID	OJ990408_08.9B12.C25
Gene No.	74889	Strand	+
Start	1591	End	2771
Name	OJ990408_08.9B12.C25.o1.np	Method	AAT/NAP
Start	1591	End	2771
GI	6630699	Score	90
Exons	1591..1872, 2693..2771		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	36402	Seq. ID	OJ990408_08.9B12.C25

Gene No.	74890	Strand	+
Start	2899	End	3332
Name	OJ990408_08.9B12.C25.o2.np	Method	AAT/NAP
Start	2899	End	3332
GI	6539570	Score	133
Exons	2899..3117, 3281..3332		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	36402	Seq. ID	OJ990408_08.9B12.C25
Gene No.	74891	Strand	+
Start	6736	End	12582
Name	OJ990408_08.9B12.C25.o3.gs	Method	GENSCAN
Start	6736	End	12582
GI	none	Score	.88
Exons	6736..6802, 8434..8493, 8499..8609, 9226..9777, 9888..10549, 10748..11014, 11101..11997, 12187..12582		

Seq. No.	36402	Seq. ID	OJ990408_08.9B12.C25
Gene No.	74892	Strand	-
Start	979	End	1699
Name	OJ990408_08.9B12.C25.o2.gs	Method	GENSCAN
Start	979	End	1699
GI	none	Score	.71
Exons	979..1120, 1563..1699		

Seq. No.	36402	Seq. ID	OJ990408_08.9B12.C25
Gene No.	74893	Strand	-
Start	12730	End	13148
Name	OJ990408_08.9B12.C25.o4.gs	Method	GENSCAN
Start	12730	End	13148
GI	none	Score	.92
Exons	12730..12845, 12883..12996, 13034..13148		

Seq. No.	36403	Seq. ID	OJ990408_08.9B12.C26
Gene No.	74894	Strand	-
Start	470	End	1726
Name	OJ990408_08.9B12.C26.o1.gs	Method	GENSCAN
Start	470	End	1615
GI	none	Score	.58
Exons	470..1615		

Seq. No.	36403	Seq. ID	OJ990408_08.9B12.C26
Gene No.	74894	Strand	-
Start	470	End	1726
Name	OJ990408_08.9B12.C26.o1.np	Method	AAT/NAP
Start	473	End	1726
GI	4378066	Score	971
Exons	473..1726		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	36403	Seq. ID	OJ990408_08.9B12.C26
Gene No.	74894	Strand	-
Start	470	End	1726
Name	OJ990408_08.9B12.C26.o2.tw	Method	TBLASTX:Wheat
Start	482	End	1081

GI	none	Score	52
Exons	482..610, 788..871, 803..934, 804..935, 962..1081, 987..1043, 995..1081		
Seq. No.	36403	Seq. ID	OJ990408_08.9B12.C26
Gene No.	74894	Strand	-
Start	470	End	1726
Name	OJ990408_08.9B12.C26.o3.tm	Method	TBLASTX:Maize
Start	800	End	1036
GI	none	Score	130
Exons	800..1036, 828..1019, 929..1030		
Seq. No.	36403	Seq. ID	OJ990408_08.9B12.C26
Gene No.	74894	Strand	-
Start	470	End	1726
Name	OJ990408_08.9B12.C26.o1.ts	Method	TBLASTX:Soybean
Start	1052	End	1399
GI	none	Score	64
Exons	1052..1276, 1277..1399		
Seq. No.	36403	Seq. ID	OJ990408_08.9B12.C26
Gene No.	74894	Strand	-
Start	470	End	1726
Name	OJ990408_08.9B12.C26.o2.tm	Method	TBLASTX:Maize
Start	1052	End	1237
GI	none	Score	56
Exons	1052..1219, 1070..1237, 1077..1235		
Seq. No.	36403	Seq. ID	OJ990408_08.9B12.C26
Gene No.	74894	Strand	-
Start	470	End	1726
Name	OJ990408_08.9B12.C26.o1.tw	Method	TBLASTX:Wheat
Start	1199	End	1588
GI	none	Score	53
Exons	1199..1588, 1278..1391		
Seq. No.	36403	Seq. ID	OJ990408_08.9B12.C26
Gene No.	74894	Strand	-
Start	470	End	1726
Name	OJ990408_08.9B12.C26.o1.tm	Method	TBLASTX:Maize
Start	1238	End	1696
GI	none	Score	51
Exons	1238..1696, 1239..1301, 1350..1598		
Seq. No.	36404	Seq. ID	OJ990408_08.9B12.C27
Gene No.	74895	Strand	-
Start	1	End	1923
Name	OJ990408_08.9B12.C27.o1.np	Method	AAT/NAP
Start	1	End	1923
GI	4206306	Score	1576
Exons	1..1923		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	36404	Seq. ID	OJ990408_08.9B12.C27
Gene No.	74895	Strand	-
Start	1	End	1923
Name	OJ990408_08.9B12.C27.o1.ts	Method	TBLASTX:Soybean

Start	33	End	461
GI	none	Score	83
Exons	33..461, 337..456		

Seq. No.	36404	Seq. ID	OJ990408_08.9B12.C27
Gene No.	74895	Strand	-
Start	1	End	1923
Name	OJ990408_08.9B12.C27.o4.tw	Method	TBLASTX:Wheat
Start	117	End	329
GI	none	Score	39
Exons	117..329, 121..198, 226..324		

Seq. No.	36404	Seq. ID	OJ990408_08.9B12.C27
Gene No.	74895	Strand	-
Start	1	End	1923
Name	OJ990408_08.9B12.C27.o2.tm	Method	TBLASTX:Maize
Start	213	End	596
GI	none	Score	62
Exons	213..596, 222..329, 226..555		

Seq. No.	36404	Seq. ID	OJ990408_08.9B12.C27
Gene No.	74895	Strand	-
Start	1	End	1923
Name	OJ990408_08.9B12.C27.o1.tw	Method	TBLASTX:Wheat
Start	336	End	755
GI	none	Score	126
Exons	336..755, 352..489, 580..753		

Seq. No.	36404	Seq. ID	OJ990408_08.9B12.C27
Gene No.	74895	Strand	-
Start	1	End	1923
Name	OJ990408_08.9B12.C27.o1.tm	Method	TBLASTX:Maize
Start	624	End	973
GI	none	Score	186
Exons	624..926, 624..908, 625..972, 701..973		

Seq. No.	36404	Seq. ID	OJ990408_08.9B12.C27
Gene No.	74895	Strand	-
Start	1	End	1923
Name	OJ990408_08.9B12.C27.o2.tw	Method	TBLASTX:Wheat
Start	756	End	1089
GI	none	Score	204
Exons	756..1085, 757..1089, 780..866		

Seq. No.	36404	Seq. ID	OJ990408_08.9B12.C27
Gene No.	74895	Strand	-
Start	1	End	1923
Name	OJ990408_08.9B12.C27.o3.tw	Method	TBLASTX:Wheat
Start	1314	End	1652
GI	none	Score	51
Exons	1314..1535, 1323..1424, 1542..1652		

Seq. No.	36405	Seq. ID	OJ990408_08.9B12.C28
Gene No.	74896	Strand	-
Start	402	End	1410
Name	OJ990408_08.9B12.C28.o1.gs	Method	GENSCAN
Start	402	End	1410

GI	none	Score	.56
Exons	402..808, 1279..1410		

Seq. No.	36406	Seq. ID	OJ990408_08.9B12.C29
Gene No.	74897	Strand	-
Start	350	End	1486
Name	OJ990408_08.9B12.C29.o1.gs	Method	GENSCAN
Start	350	End	1486
GI	none	Score	.5
Exons	350..397, 688..928, 1467..1486		

Seq. No.	36407	Seq. ID	OJ990408_08.9B12.C30
Gene No.	74898	Strand	+
Start	910	End	9728
Name	OJ990408_08.9B12.C30.o1.np	Method	AAT/NAP
Start	859	End	4081
GI	283004	Score	3753
Exons	859..1259, 2154..3714, 3827..4081		
GI Descrip.	DNA-binding protein Gt-2 - rice gi|20249|emb|CAA48328| (X68261) gt-2 [Oryza sativa]		

Seq. No.	36407	Seq. ID	OJ990408_08.9B12.C30
Gene No.	74898	Strand	+
Start	910	End	9728
Name	OJ990408_08.9B12.C30.o1.gs	Method	GENSCAN
Start	910	End	9728
GI	none	Score	.82
Exons	910..1259, 2154..3714, 3764..4036, 4126..4257, 6600..6652, 7867..8007, 9521..9728		

Seq. No.	36407	Seq. ID	OJ990408_08.9B12.C30
Gene No.	74899	Strand	-
Start	10954	End	11679
Name	OJ990408_08.9B12.C30.o1.tc	Method	TBLASTX:Cress
Start	1150	End	3498
GI	none	Score	166
Exons	1150..1260, 1150..1257, 1152..1271, 2142..2282, 2148..2297, 2152..2301, 2158..2259, 3223..3441, 3223..3498, 3294..3476, 3306..3389		

Seq. No.	36407	Seq. ID	OJ990408_08.9B12.C30
Gene No.	74899	Strand	-
Start	10954	End	11679
Name	OJ990408_08.9B12.C30.o1.ts	Method	TBLASTX:Soybean
Start	1150	End	3498
GI	none	Score	107
Exons	1150..1257, 2158..2265, 3223..3498, 3294..3497		

Seq. No.	36407	Seq. ID	OJ990408_08.9B12.C30
Gene No.	74899	Strand	-
Start	10954	End	11679
Name	OJ990408_08.9B12.C30.o1.tm	Method	TBLASTX:Maize
Start	1150	End	4118
GI	none	Score	102
Exons	1150..1257, 2132..2242, 2148..2261, 2158..2265, 3223..3501, 3250..3336, 3291..3500, 3454..3546, 3484..3543, 3642..3686, 3652..3714, 3667..3717, 3686..3718, 3823..3867, 3824..3874,		

3824..3880, 3949..3993, 3950..3979, 3951..4022, 3952..4023,
4006..4116, 4035..4091, 4057..4095, 4059..4118

Seq. No.	36407	Seq. ID	OJ990408_08.9B12.C30
Gene No.	74899	Strand	-
Start	10954	End	11679
Name	OJ990408_08.9B12.C30.o2.gs	Method	GENSCAN
Start	10954	End	11679
GI	none	Score	.74
Exons	10954..11065, 11582..11679		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74900	Strand	+
Start	7399	End	8590
Name	OJ990408_08.9B12.C31.o3.gs	Method	GENSCAN
Start	7399	End	8590
GI	none	Score	.88
Exons	7399..7795, 7903..7991, 8030..8590		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74900	Strand	+
Start	7399	End	8590
Name	OJ990408_08.9B12.C31.o1.np	Method	AAT/NAP
Start	7420	End	8572
GI	4538968	Score	498
Exons	7420..7466, 7537..7795, 7900..8572		
GI Descrip.	(AL049488) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o3.tm	Method	TBLASTX:Maize
Start	3020	End	3568
GI	none	Score	73
Exons	3020..3067, 3068..3193, 3296..3568, 3423..3551		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o3.tw	Method	TBLASTX:Wheat
Start	3134	End	3484
GI	none	Score	55
Exons	3134..3169, 3293..3484, 3397..3459		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o1.tw	Method	TBLASTX:Wheat
Start	7407	End	7946
GI	none	Score	141
Exons	7407..7457, 7549..7665, 7555..7656, 7660..7794, 7674..7766, 7753..7788, 7810..7944, 7878..7946, 7902..7946		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o1.tm	Method	TBLASTX:Maize

Start	7590	End	7958
GI	none	Score	308
Exons	7590..7766, 7591..7794, 7753..7800, 7902..7958, 7902..7958		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o1.tc	Method	TBLASTX:Cress
Start	7609	End	8530
GI	none	Score	111
Exons	7609..7791, 7914..7958, 8018..8155, 8180..8326, 8348..8530		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o1.ts	Method	TBLASTX:Soybean
Start	7669	End	8326
GI	none	Score	65
Exons	7669..7785, 8017..8322, 8018..8326		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o2.tw	Method	TBLASTX:Wheat
Start	7999	End	8226
GI	none	Score	72
Exons	7999..8061, 8000..8158, 8021..8158, 8179..8226		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o2.tm	Method	TBLASTX:Maize
Start	8110	End	8376
GI	none	Score	111
Exons	8110..8376, 8116..8283, 8117..8374		

Seq. No.	36408	Seq. ID	OJ990408_08.9B12.C31
Gene No.	74901	Strand	-
Start	9801	End	11243
Name	OJ990408_08.9B12.C31.o4.gs	Method	GENSCAN
Start	9801	End	11243
GI	none	Score	.41
Exons	9801..9856, 11072..11243		

Seq. No.	36409	Seq. ID	OJ990408_08.9B12.C35
Gene No.	74902	Strand	-
Start	1	End	693
Name	OJ990408_08.9B12.C35.o1.np	Method	AAT/NAP
Start	1	End	693
GI	4973431	Score	74
Exons	1..26, 539..639, 669..693		
GI Descrip.	(AF148877) putative aldehyde dehydrogenase OS-ALDH [Oryza sativa subsp. indica]		

Seq. No.	36409	Seq. ID	OJ990408_08.9B12.C35
Gene No.	74902	Strand	-
Start	1	End	693

Name	OJ990408_08.9B12.C35.o1.gs	Method	GENSCAN
Start	541	End	637
GI	none	Score	.95
Exons	541..637		

Seq. No.	36410	Seq. ID	OJ990408_08.9B12.C36
Gene No.	74903	Strand	+
Start	346	End	3026
Name	OJ990408_08.9B12.C36.o1.gs	Method	GENSCAN
Start	346	End	3026
GI	none	Score	.5
Exons	346..531, 582..722, 939..991, 1495..1988, 2035..3026		

Seq. No.	36410	Seq. ID	OJ990408_08.9B12.C36
Gene No.	74904	Strand	-
Start	124	End	1232
Name	OJ990408_08.9B12.C36.o1.np	Method	AAT/NAP
Start	124	End	1232
GI	6815053	Score	617
Exons	124..361, 410..585, 1086..1232		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74905	Strand	+
Start	136	End	517
Name	OJ990408_08.9B12.C37.o1.gp	Method	AAT/GAP
Start	136	End	517
GI	5002855	Score	708
Exons	136..517		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74906	Strand	+
Start	1119	End	1224
Name	OJ990408_08.9B12.C37.o2.gp	Method	AAT/GAP
Start	1119	End	1224
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	1119..1224		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74907	Strand	+
Start	1423	End	6772
Name	OJ990408_08.9B12.C37.o1.gs	Method	GENSCAN
Start	1423	End	6772
GI	none	Score	.53
Exons	1423..1522, 2088..2216, 3325..3371, 3970..4103, 6253..6772		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74907	Strand	+
Start	1423	End	6772
Name	OJ990408_08.9B12.C37.o3.gp	Method	AAT/GAP
Start	2106	End	2799
GI	83032_1.R1084	Score	1020
Exons	2106..2799		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For		

Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74907	Strand	+
Start	1423	End	6772
Name	OJ990408_08.9B12.C37.o4.gp	Method	AAT/GAP
Start	5000	End	5178
GI	LIB3434-053-P1-K1-H7	Score	276
Exons	5000..5178		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 2.0e-12 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74907	Strand	+
Start	1423	End	6772
Name	OJ990408_08.9B12.C37.o5.gp	Method	AAT/GAP
Start	6294	End	6614
GI	2569_2.R1084	Score	440
Exons	6294..6614		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-79 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74908	Strand	+
Start	11680	End	15680
Name	OJ990408_08.9B12.C37.o2.np	Method	AAT/NAP
Start	11680	End	15680
GI	2262105	Score	2028
Exons	11680..11716, 12145..12495, 12592..12764, 13868..13965, 14053..14187, 14320..14491, 14573..14712, 14770..15680		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana]		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74909	Strand	-
Start	4890	End	10049
Name	OJ990408_08.9B12.C37.o1.np	Method	AAT/NAP
Start	4890	End	8323
GI	6522545	Score	237
Exons	4890..4963, 6805..7026, 8168..8323		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74909	Strand	-
Start	4890	End	10049
Name	OJ990408_08.9B12.C37.o2.gs	Method	GENSCAN
Start	7720	End	10049
GI	none	Score	.41
Exons	7720..8040, 8058..8257, 9896..10049		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o5.tm	Method	TBLASTX:Maize
Start	6699	End	7011
GI	none	Score	141

Exons	6699..6761, 6808..6948, 6809..6952, 6938..7000, 6939..7001, 6952..7011		
Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o4.ts	Method	TBLASTX:Soybean
Start	6731	End	7009
GI	none	Score	72
Exons	6731..6796, 6744..6797, 6805..7005, 6815..7009		
Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o2.tc	Method	TBLASTX:Cress
Start	6808	End	7008
GI	none	Score	186
Exons	6808..7008, 6824..6994		
Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o3.tc	Method	TBLASTX:Cress
Start	12227	End	12478
GI	none	Score	258
Exons	12227..12478, 12234..12476		
Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o4.tm	Method	TBLASTX:Maize
Start	12227	End	12769
GI	none	Score	288
Exons	12227..12496, 12234..12497, 12636..12767, 12638..12769		
Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o3.ts	Method	TBLASTX:Soybean
Start	12227	End	12776
GI	none	Score	282
Exons	12227..12496, 12234..12497, 12575..12772, 12609..12776		
Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o1.tm	Method	TBLASTX:Maize
Start	13865	End	15188
GI	none	Score	174
Exons	13865..13969, 13870..13965, 13870..13974, 14051..14179, 14052..14186, 14053..14187, 14055..14186, 14285..14500, 14290..14514, 14291..14506, 14571..14684, 14572..14685, 14572..14685, 14573..14686, 14762..15187, 14766..15188, 14766..15185, 14819..15187		
Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-

Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o2.ts	Method	TBLASTX:Soybean
Start	13876	End	14677
GI	none	Score	148
Exons	13876..13974, 13877..13966, 13880..13975, 13882..13977, 14050..14175, 14051..14179, 14054..14179, 14091..14180, 14291..14491, 14301..14471, 14302..14484, 14309..14506, 14313..14498, 14571..14621, 14572..14676, 14573..14677		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o4.tc	Method	TBLASTX:Cress
Start	14306	End	14855
GI	none	Score	196
Exons	14306..14506, 14308..14493, 14576..14641, 14587..14652, 14799..14855		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o1.ts	Method	TBLASTX:Soybean
Start	14784	End	15679
GI	none	Score	278
Exons	14784..15056, 14817..15026, 14822..15064, 15027..15215, 15056..15244, 15056..15247, 15096..15281, 15276..15413, 15281..15418, 15419..15670, 15426..15677, 15431..15679		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o1.tc	Method	TBLASTX:Cress
Start	14891	End	15671
GI	none	Score	503
Exons	14891..15379, 14892..15377, 15193..15384, 15369..15671, 15371..15664		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o2.tm	Method	TBLASTX:Maize
Start	15189	End	15688
GI	none	Score	797
Exons	15189..15686, 15190..15687, 15191..15688, 15191..15676		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o1.tw	Method	TBLASTX:Wheat
Start	15297	End	15712
GI	none	Score	424
Exons	15297..15677, 15302..15679, 15487..15702, 15494..15712		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o3.np	Method	AAT/NAP

Start	19575	End	20555
GI	1091678	Score	239
Exons	19575..19713, 19837..20555		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o4.gs	Method	GENSCAN
Start	19843	End	20475
GI	none	Score	.91
Exons	19843..20475		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o5.ts	Method	TBLASTX:Soybean
Start	19868	End	20124
GI	none	Score	100
Exons	19868..20053, 19870..20124		

Seq. No.	36411	Seq. ID	OJ990408_08.9B12.C37
Gene No.	74910	Strand	-
Start	19843	End	20555
Name	OJ990408_08.9B12.C37.o3.tm	Method	TBLASTX:Maize
Start	19870	End	20202
GI	none	Score	177
Exons	19870..20076, 19871..20056, 20095..20202		

Seq. No.	36412	Seq. ID	OJ990408_08.9B12.C38
Gene No.	74911	Strand	-
Start	1	End	1380
Name	OJ990408_08.9B12.C38.o1.np	Method	AAT/NAP
Start	1	End	1380
GI	5732064	Score	503
Exons	1..930, 1228..1380		
GI Descrip.	(AF147263) contains similarity to transposases [Arabidopsis thaliana]		

Seq. No.	36412	Seq. ID	OJ990408_08.9B12.C38
Gene No.	74911	Strand	-
Start	1	End	1380
Name	OJ990408_08.9B12.C38.o1.gs	Method	GENSCAN
Start	66	End	1119
GI	none	Score	.81
Exons	66..1119		

Seq. No.	36412	Seq. ID	OJ990408_08.9B12.C38
Gene No.	74911	Strand	-
Start	1	End	1380
Name	OJ990408_08.9B12.C38.o1.tw	Method	TBLASTX:Wheat
Start	169	End	426
GI	none	Score	42
Exons	169..426, 170..244, 337..426		

Seq. No.	36412	Seq. ID	OJ990408_08.9B12.C38
Gene No.	74911	Strand	-

Start	1	End	1380
Name	OJ990408_08.9B12.C38.o1.tm	Method	TBLASTX:Maize
Start	238	End	831
GI	none	Score	45
Exons	238..831, 368..442, 539..766		

Seq. No.	36412	Seq. ID	OJ990408_08.9B12.C38
Gene No.	74911	Strand	-
Start	1	End	1380
Name	OJ990408_08.9B12.C38.o1.ts	Method	TBLASTX:Soybean
Start	412	End	906
GI	none	Score	61
Exons	412..549, 484..906, 641..769		

Seq. No.	36412	Seq. ID	OJ990408_08.9B12.C38
Gene No.	74911	Strand	-
Start	1	End	1380
Name	OJ990408_08.9B12.C38.o1.tc	Method	TBLASTX:Cress
Start	484	End	846
GI	none	Score	87
Exons	484..846, 539..766		

Seq. No.	36412	Seq. ID	OJ990408_08.9B12.C38
Gene No.	74911	Strand	-
Start	1	End	1380
Name	OJ990408_08.9B12.C38.o2.np	Method	AAT/NAP
Start	1020	End	1380
GI	2943742	Score	43
Exons	1020..1179, 1337..1380		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	36413	Seq. ID	OJ990408_08.9B12.C42
Gene No.	74912	Strand	+
Start	816	End	1033
Name	OJ990408_08.9B12.C42.o1.gp	Method	AAT/GAP
Start	816	End	1033
GI	5002855	Score	373
Exons	816..1033		

Seq. No.	36414	Seq. ID	OJ990408_08.9B12.C43
Gene No.	74913	Strand	+
Start	1	End	361
Name	OJ990408_08.9B12.C43.o1.np	Method	AAT/NAP
Start	1	End	361
GI	283004	Score	438
Exons	1..361		
GI Descrip.	DNA-binding protein Gt-2 - rice gi|20249|emb|CAA48328| (X68261) gt-2 [Oryza sativa]		

Seq. No.	36414	Seq. ID	OJ990408_08.9B12.C43
Gene No.	74913	Strand	+
Start	1	End	361
Name	OJ990408_08.9B12.C43.o1.gs	Method	GENSCAN
Start	59	End	328
GI	none	Score	.73
Exons	59..328		

Seq. No.	36415	Seq. ID	OJ990408_08.9B12.C45
Gene No.	74914	Strand	+
Start	400	End	542
Name	OJ990408_08.9B12.C45.o1.gs	Method	GENSCAN
Start	400	End	542
GI	none	Score	.76
Exons	400..542		

Seq. No.	36416	Seq. ID	OJ990408_08.9B12.C47
Gene No.	74915	Strand	+
Start	211	End	564
Name	OJ990408_08.9B12.C47.o1.gs	Method	GENSCAN
Start	211	End	429
GI	none	Score	.82
Exons	211..429		

Seq. No.	36416	Seq. ID	OJ990408_08.9B12.C47
Gene No.	74915	Strand	+
Start	211	End	564
Name	OJ990408_08.9B12.C47.o1.tm	Method	TBLASTX:Maize
Start	234	End	564
GI	none	Score	213
Exons	234..323, 238..564		

Seq. No.	36417	Seq. ID	OJ990408_08.9B12.C50
Gene No.	74916	Strand	+
Start	53	End	352
Name	OJ990408_08.9B12.C50.o1.gs	Method	GENSCAN
Start	53	End	352
GI	none	Score	.78
Exons	53..352		

Seq. No.	36418	Seq. ID	OJ990408_08.9B12.C53
Gene No.	74917	Strand	+
Start	1	End	831
Name	OJ990408_08.9B12.C53.o1.np	Method	AAT/NAP
Start	1	End	831
GI	2465923	Score	375
Exons	1..377, 460..831		
GI Descrip.	(AF024648) receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	36418	Seq. ID	OJ990408_08.9B12.C53
Gene No.	74917	Strand	+
Start	1	End	831
Name	OJ990408_08.9B12.C53.o1.tc	Method	TBLASTX:Cress
Start	145	End	607
GI	none	Score	288
Exons	145..381, 161..370, 446..607, 465..587		

Seq. No.	36418	Seq. ID	OJ990408_08.9B12.C53
Gene No.	74917	Strand	+
Start	1	End	831
Name	OJ990408_08.9B12.C53.o1.ts	Method	TBLASTX:Soybean
Start	145	End	705
GI	none	Score	324
Exons	145..381, 161..370, 465..605, 465..605, 473..634, 610..645,		

631..705

Seq. No.	36418	Seq. ID	OJ990408_08.9B12.C53
Gene No.	74917	Strand	+
Start	1	End	831
Name	OJ990408_08.9B12.C53.o1.tm	Method	TBLASTX:Maize
Start	161	End	657
GI	none	Score	273
Exons	161..370, 166..378, 468..629,	476..634,	631..657

Seq. No.	36418	Seq. ID	OJ990408_08.9B12.C53
Gene No.	74917	Strand	+
Start	1	End	831
Name	OJ990408_08.9B12.C53.o1.tw	Method	TBLASTX:Wheat
Start	161	End	607
GI	none	Score	205
Exons	161..367, 166..378, 477..605,	483..605,	488..607

Seq. No.	36418	Seq. ID	OJ990408_08.9B12.C53
Gene No.	74917	Strand	+
Start	1	End	831
Name	OJ990408_08.9B12.C53.o1.gs	Method	GENSCAN
Start	167	End	394
GI	none	Score	.91
Exons	167..394		

Seq. No.	36419	Seq. ID	OJ990408_08.9B12.C54
Gene No.	74918	Strand	+
Start	184	End	299
Name	OJ990408_08.9B12.C54.o1.gs	Method	GENSCAN
Start	184	End	299
GI	none	Score	.81
Exons	184..299		

Seq. No.	36420	Seq. ID	OJ990408_08.9B12.C57
Gene No.	74919	Strand	+
Start	108	End	811
Name	OJ990408_08.9B12.C57.o1.gs	Method	GENSCAN
Start	108	End	811
GI	none	Score	.46
Exons	108..164, 722..811		

Seq. No.	36421	Seq. ID	OJ990408_08.9B12.C58
Gene No.	74920	Strand	-
Start	523	End	588
Name	OJ990408_08.9B12.C58.o1.gs	Method	GENSCAN
Start	523	End	588
GI	none	Score	.62
Exons	523..588		

Seq. No.	36422	Seq. ID	OJ990408_08.9B12.C59
Gene No.	74921	Strand	-
Start	1	End	846
Name	OJ990408_08.9B12.C59.o1.gp	Method	AAT/GAP
Start	1	End	394
GI	5780_1.R1084	Score	476
Exons	1..162, 262..394		

GI Descrip.	'4972075/emb|CAB43882.1| 2.0e-61 (AL078467) proton pump interactor [Arabidopsis thaliana]'		
Seq. No.	36422	Seq. ID	OJ990408_08.9B12.C59
Gene No.	74921	Strand	-
Start	1	End	846
Name	OJ990408_08.9B12.C59.o1.np	Method	AAT/NAP
Start	1	End	846
GI	4972075	Score	238
Exons	1..144, 192..456, 665..846		
GI Descrip.	(AL078467) proton pump interactor [Arabidopsis thaliana]		
Seq. No.	36422	Seq. ID	OJ990408_08.9B12.C59
Gene No.	74921	Strand	-
Start	1	End	846
Name	OJ990408_08.9B12.C59.o1.ts	Method	TBLASTX:Soybean
Start	40	End	459
GI	none	Score	62
Exons	40..195, 56..163, 272..304, 301..459, 302..454		
Seq. No.	36422	Seq. ID	OJ990408_08.9B12.C59
Gene No.	74921	Strand	-
Start	1	End	846
Name	OJ990408_08.9B12.C59.o1.gs	Method	GENSCAN
Start	43	End	779
GI	none	Score	.82
Exons	43..162, 262..456, 665..779		
Seq. No.	36422	Seq. ID	OJ990408_08.9B12.C59
Gene No.	74921	Strand	-
Start	1	End	846
Name	OJ990408_08.9B12.C59.o1.tm	Method	TBLASTX:Maize
Start	45	End	805
GI	none	Score	117
Exons	45..164, 46..195, 50..163, 259..453, 264..452, 269..454, 270..458, 661..720, 663..803, 665..805, 666..794		
Seq. No.	36423	Seq. ID	OJ990408_08.9B12.C60
Gene No.	74922	Strand	-
Start	1	End	628
Name	OJ990408_08.9B12.C60.o1.np	Method	AAT/NAP
Start	1	End	628
GI	4836874	Score	245
Exons	1..368, 550..628		
GI Descrip.	(AC007260) lcl|prt_seq No definition line found [Arabidopsis thaliana]		
Seq. No.	36423	Seq. ID	OJ990408_08.9B12.C60
Gene No.	74922	Strand	-
Start	1	End	628
Name	OJ990408_08.9B12.C60.o1.gs	Method	GENSCAN
Start	47	End	298
GI	none	Score	.56
Exons	47..298		
Seq. No.	36423	Seq. ID	OJ990408_08.9B12.C60
Gene No.	74922	Strand	-

Start	1	End	628
Name	OJ990408_08.9B12.C60.o1.ts	Method	TBLASTX:Soybean
Start	50	End	301
GI	none	Score	175
Exons	50..301, 51..287		

Seq. No.	36424	Seq. ID	OJ990408_08.9B12.C63
Gene No.	74923	Strand	+
Start	1	End	429
Name	OJ990408_08.9B12.C63.o1.np	Method	AAT/NAP
Start	1	End	318
GI	6503299	Score	97
Exons	1..318		
GI Descrip.	(AC011713) Contains similarity to gb|U82481 KI domain interacting kinase 1 from Zea mays and contains PF|00069 Eukaryotic protein kinase domain. ESTs gb|H77140, gb|H76842 and gb|AI994303 come from this gene. [Arabi...		

Seq. No.	36424	Seq. ID	OJ990408_08.9B12.C63
Gene No.	74923	Strand	+
Start	1	End	429
Name	OJ990408_08.9B12.C63.o1.ts	Method	TBLASTX:Soybean
Start	68	End	240
GI	none	Score	70
Exons	68..166, 69..227, 69..239, 70..240		

Seq. No.	36424	Seq. ID	OJ990408_08.9B12.C63
Gene No.	74923	Strand	+
Start	1	End	429
Name	OJ990408_08.9B12.C63.o1.gs	Method	GENSCAN
Start	70	End	429
GI	none	Score	.71
Exons	70..429		

Seq. No.	36424	Seq. ID	OJ990408_08.9B12.C63
Gene No.	74923	Strand	+
Start	1	End	429
Name	OJ990408_08.9B12.C63.o1.tc	Method	TBLASTX:Cress
Start	70	End	332
GI	none	Score	221
Exons	70..327, 70..189, 75..332		

Seq. No.	36425	Seq. ID	OJ990408_08.9B12.C67
Gene No.	74924	Strand	-
Start	1	End	599
Name	OJ990408_08.9B12.C67.o1.gp	Method	AAT/GAP
Start	1	End	280
GI	33017_1.R1084	Score	311
Exons	1..99, 191..280		
GI Descrip.	'3643603 7.0e-58 (AC005395) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36425	Seq. ID	OJ990408_08.9B12.C67
Gene No.	74924	Strand	-
Start	1	End	599
Name	OJ990408_08.9B12.C67.o1.np	Method	AAT/NAP
Start	1	End	599

GI	4580471	Score	224
Exons	1..96, 188..382, 505..599		
GI Descrip.	(AC006081) unknown protein [Arabidopsis thaliana]		

Seq. No.	36425	Seq. ID	OJ990408_08.9B12.C67
Gene No.	74924	Strand	-
Start	1	End	599
Name	OJ990408_08.9B12.C67.o1.tm	Method	TBLASTX:Maize
Start	1	End	385
GI	none	Score	58
Exons	1..84, 2..97, 3..98, 3..98, 186..380, 187..378, 191..385		

Seq. No.	36425	Seq. ID	OJ990408_08.9B12.C67
Gene No.	74924	Strand	-
Start	1	End	599
Name	OJ990408_08.9B12.C67.o1.ts	Method	TBLASTX:Soybean
Start	2	End	380
GI	none	Score	83
Exons	2..97, 186..338, 186..380, 187..345		

Seq. No.	36425	Seq. ID	OJ990408_08.9B12.C67
Gene No.	74924	Strand	-
Start	1	End	599
Name	OJ990408_08.9B12.C67.o1.gs	Method	GENSCAN
Start	188	End	377
GI	none	Score	.65
Exons	188..377		

Seq. No.	36426	Seq. ID	OJ990408_08.9B12.C68
Gene No.	74925	Strand	-
Start	88	End	277
Name	OJ990408_08.9B12.C68.o1.gs	Method	GENSCAN
Start	88	End	277
GI	none	Score	.44
Exons	88..277		

Seq. No.	36427	Seq. ID	OJ990408_08.9B12.C70
Gene No.	74926	Strand	+
Start	279	End	597
Name	OJ990408_08.9B12.C70.o1.gs	Method	GENSCAN
Start	279	End	597
GI	none	Score	.57
Exons	279..291, 551..597		

Seq. No.	36428	Seq. ID	OJ990408_08.9B12.C72
Gene No.	74927	Strand	+
Start	1	End	511
Name	OJ990408_08.9B12.C72.o1.np	Method	AAT/NAP
Start	1	End	511
GI	4234852	Score	560
Exons	1..511		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	36428	Seq. ID	OJ990408_08.9B12.C72
Gene No.	74927	Strand	+
Start	1	End	511
Name	OJ990408_08.9B12.C72.o1.tm	Method	TBLASTX:Maize

Start	3	End	428
GI	none	Score	245
Exons	3..314, 29..313, 357..428		

Seq. No.	36428	Seq. ID	OJ990408_08.9B12.C72
Gene No.	74927	Strand	+
Start	1	End	511
Name	OJ990408_08.9B12.C72.o1.tw	Method	TBLASTX:Wheat
Start	84	End	425
GI	none	Score	148
Exons	84..317, 95..214, 135..302, 312..425		

Seq. No.	36428	Seq. ID	OJ990408_08.9B12.C72
Gene No.	74927	Strand	+
Start	1	End	511
Name	OJ990408_08.9B12.C72.o1.gs	Method	GENSCAN
Start	88	End	494
GI	none	Score	.43
Exons	88..494		

Seq. No.	36428	Seq. ID	OJ990408_08.9B12.C72
Gene No.	74927	Strand	+
Start	1	End	511
Name	OJ990408_08.9B12.C72.o1.ts	Method	TBLASTX:Soybean
Start	201	End	467
GI	none	Score	223
Exons	201..467		

Seq. No.	36429	Seq. ID	OJ990408_08.9B12.C74
Gene No.	74928	Strand	-
Start	214	End	425
Name	OJ990408_08.9B12.C74.o1.gs	Method	GENSCAN
Start	214	End	425
GI	none	Score	.45
Exons	214..425		

Seq. No.	36430	Seq. ID	OJ990408_08.9B12.C76
Gene No.	74929	Strand	-
Start	51	End	579
Name	OJ990408_08.9B12.C76.o1.gs	Method	GENSCAN
Start	51	End	579
GI	none	Score	.76
Exons	51..579		

Seq. No.	36431	Seq. ID	OJ990408_08.9B12.C77
Gene No.	74930	Strand	+
Start	228	End	267
Name	OJ990408_08.9B12.C77.o1.gs	Method	GENSCAN
Start	228	End	267
GI	none	Score	.45
Exons	228..267		

Seq. No.	36432	Seq. ID	OJ990408_08.9B12.C78
Gene No.	74931	Strand	-
Start	1	End	754
Name	OJ990408_08.9B12.C78.o1.np	Method	AAT/NAP
Start	1	End	507

GI	6539588	Score	150
Exons	1..33, 220..507		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36432	Seq. ID	OJ990408_08.9B12.C78
Gene No.	74931	Strand	-
Start	1	End	754
Name	OJ990408_08.9B12.C78.o1.gs	Method	GENSCAN
Start	231	End	754
GI	none	Score	.46
Exons	231..347, 370..480, 692..754		

Seq. No.	36433	Seq. ID	OJ990408_08.9B12.C81
Gene No.	74932	Strand	+
Start	139	End	410
Name	OJ990408_08.9B12.C81.o1.gs	Method	GENSCAN
Start	139	End	410
GI	none	Score	.82
Exons	139..410		

Seq. No.	36434	Seq. ID	OJ990408_08.9B12.C82
Gene No.	74933	Strand	-
Start	288	End	375
Name	OJ990408_08.9B12.C82.o1.gs	Method	GENSCAN
Start	288	End	375
GI	none	Score	.77
Exons	288..375		

Seq. No.	36435	Seq. ID	OJ990408_08.9B12.C83
Gene No.	74934	Strand	+
Start	175	End	651
Name	OJ990408_08.9B12.C83.o1.tc	Method	TBLASTX:Cress
Start	35	End	543
GI	none	Score	121
Exons	35..121, 43..120, 73..174, 214..255, 243..314, 243..314, 247..369, 286..543, 324..428, 349..456, 486..539		

Seq. No.	36435	Seq. ID	OJ990408_08.9B12.C83
Gene No.	74934	Strand	+
Start	175	End	651
Name	OJ990408_08.9B12.C83.o1.tw	Method	TBLASTX:Wheat
Start	35	End	342
GI	none	Score	124
Exons	35..121, 42..122, 43..123, 47..124, 49..123, 73..207, 120..209, 120..224, 206..337, 214..342, 216..341		

Seq. No.	36435	Seq. ID	OJ990408_08.9B12.C83
Gene No.	74934	Strand	+
Start	175	End	651
Name	OJ990408_08.9B12.C83.o1.tm	Method	TBLASTX:Maize
Start	56	End	573
GI	none	Score	68
Exons	56..121, 57..122, 115..207, 120..197, 134..205, 214..474, 215..382, 216..383, 220..423, 385..528, 385..522, 386..523, 538..573, 559..573		

Seq. No.	36435	Seq. ID	OJ990408_08.9B12.C83

Gene No.	74934	Strand	+
Start	175	End	651
Name	OJ990408_08.9B12.C83.o1.gs	Method	GENSCAN
Start	175	End	644
GI	none	Score	.95
Exons	175..644		

Seq. No.	36435	Seq. ID	OJ990408_08.9B12.C83
Gene No.	74934	Strand	+
Start	175	End	651
Name	OJ990408_08.9B12.C83.o1.gp	Method	AAT/GAP
Start	218	End	568
GI	3107825	Score	675
Exons	218..568		

Seq. No.	36435	Seq. ID	OJ990408_08.9B12.C83
Gene No.	74934	Strand	+
Start	175	End	651
Name	OJ990408_08.9B12.C83.o1.ts	Method	TBLASTX:Soybean
Start	381	End	651
GI	none	Score	96
Exons	381..431, 382..456, 486..545, 487..651, 582..650		

Seq. No.	36436	Seq. ID	OJ990408_08.9B12.C84
Gene No.	74935	Strand	
Start	33	End	308
Name	OJ990408_08.9B12.C84.o1.tm	Method	TBLASTX:Maize
Start	33	End	308
GI	none	Score	67
Exons	33..119, 71..112, 102..308, 129..296		

Seq. No.	36437	Seq. ID	OJ990408_08.9B12.C85
Gene No.	74936	Strand	-
Start	193	End	745
Name	OJ990408_08.9B12.C85.o1.gp	Method	AAT/GAP
Start	193	End	745
GI	80420_1.R1084	Score	938
Exons	193..745		
GI Descrip.	'4973431/gb|AAD35089.1|AF148877_1 1.0e-64 (AF148877) putative aldehyde dehydrogenase OS-ALDH [Oryza sativa subsp. indica]'		

Seq. No.	36437	Seq. ID	OJ990408_08.9B12.C85
Gene No.	74936	Strand	-
Start	193	End	745
Name	OJ990408_08.9B12.C85.o1.np	Method	AAT/NAP
Start	469	End	745
GI	4973431	Score	257
Exons	469..745		
GI Descrip.	(AF148877) putative aldehyde dehydrogenase OS-ALDH [Oryza sativa subsp. indica]		

Seq. No.	36437	Seq. ID	OJ990408_08.9B12.C85
Gene No.	74936	Strand	-
Start	193	End	745
Name	OJ990408_08.9B12.C85.o1.gs	Method	GENSCAN
Start	481	End	678
GI	none	Score	.63

Exons	481..678		
Seq. No.	36437	Seq. ID	OJ990408_08.9B12.C85
Gene No.	74936	Strand	-
Start	193	End	745
Name	OJ990408_08.9B12.C85.o1.tm	Method	TBLASTX:Maize
Start	482	End	723
GI	none	Score	270
Exons	482..721, 488..649, 520..723		
Seq. No.	36437	Seq. ID	OJ990408_08.9B12.C85
Gene No.	74936	Strand	-
Start	193	End	745
Name	OJ990408_08.9B12.C85.o1.ts	Method	TBLASTX:Soybean
Start	517	End	727
GI	none	Score	152
Exons	517..723, 569..727		
Seq. No.	36437	Seq. ID	OJ990408_08.9B12.C85
Gene No.	74936	Strand	-
Start	193	End	745
Name	OJ990408_08.9B12.C85.o1.tc	Method	TBLASTX:Cress
Start	565	End	723
GI	none	Score	86
Exons	565..723, 620..718		
Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74937	Strand	-
Start	1030	End	1132
Name	OJ990408_08.9B12.C86.o1.gp	Method	AAT/GAP
Start	1030	End	1132
GI	72424_1.R1084	Score	78
Exons	1030..1132		
GI Descrip.	'2842493/emb|CAA16890.1| 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'		
Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74938	Strand	-
Start	2499	End	6917
Name	OJ990408_08.9B12.C86.o2.gp	Method	AAT/GAP
Start	2499	End	3686
GI	80420_1.R1084	Score	1478
Exons	2499..3023, 3196..3345, 3432..3522, 3607..3686		
GI Descrip.	'4973431/gb|AAD35089.1|AF148877_1 1.0e-64 (AF148877) putative aldehyde dehydrogenase OS-ALDH [Oryza sativa subsp. indica]'		
Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74938	Strand	-
Start	2499	End	6917
Name	OJ990408_08.9B12.C86.o1.np	Method	AAT/NAP
Start	2775	End	6917
GI	4973431	Score	1192
Exons	2775..3023, 3196..3345, 3432..3522, 3607..3767, 3878..4106, 4210..4420, 6506..6602, 6704..6772, 6897..6917		
GI Descrip.	(AF148877) putative aldehyde dehydrogenase OS-ALDH [Oryza sativa subsp. indica]		

Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74938	Strand	-
Start	2499	End	6917
Name	OJ990408_08.9B12.C86.o1.gs	Method	GENSCAN
Start	2787	End	6602
GI	none	Score	.84
Exons	2787..3023, 3196..3345, 3432..3522, 3607..3767, 3878..4110, 4214..4420, 6506..6602		

Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74938	Strand	-
Start	2499	End	6917
Name	OJ990408_08.9B12.C86.o2.tm	Method	TBLASTX:Maize
Start	2788	End	3532
GI	none	Score	270
Exons	2788..3027, 2794..2955, 2826..3029, 3163..3252, 3167..3253, 3253..3342, 3253..3360, 3254..3364, 3402..3518, 3403..3522, 3429..3518, 3431..3532		

Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74938	Strand	-
Start	2499	End	6917
Name	OJ990408_08.9B12.C86.o2.ts	Method	TBLASTX:Soybean
Start	2823	End	3273
GI	none	Score	151
Exons	2823..3029, 2875..3030, 3137..3250, 3163..3273		

Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74938	Strand	-
Start	2499	End	6917
Name	OJ990408_08.9B12.C86.o1.tc	Method	TBLASTX:Cress
Start	2871	End	3518
GI	none	Score	86
Exons	2871..3029, 2926..3024, 3163..3360, 3209..3331, 3429..3518, 3430..3516		

Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74938	Strand	-
Start	2499	End	6917
Name	OJ990408_08.9B12.C86.o1.ts	Method	TBLASTX:Soybean
Start	3426	End	6581
GI	none	Score	71
Exons	3426..3518, 3427..3519, 3606..3728, 3842..3991, 3936..3992, 4010..4111, 4014..4112, 4209..4418, 4210..4416, 6507..6581		

Seq. No.	36438	Seq. ID	OJ990408_08.9B12.C86
Gene No.	74938	Strand	-
Start	2499	End	6917
Name	OJ990408_08.9B12.C86.o1.tm	Method	TBLASTX:Maize
Start	3745	End	4389
GI	none	Score	139
Exons	3745..3768, 3884..4003, 3890..4003, 3998..4111, 4001..4111, 4005..4181, 4014..4112, 4209..4364, 4210..4389		

Seq. No.	36439	Seq. ID	OJ990408_08.9B12.C87
Gene No.	74939	Strand	+
Start	1	End	1194

Name	OJ990408_08.9B12.C87.o1.np	Method	AAT/NAP
Start	1	End	1194
GI	81286	Score	100
Exons	1..292, 725..1194		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	36439	Seq. ID	OJ990408_08.9B12.C87
Gene No.	74939	Strand	+
Start	1	End	1194
Name	OJ990408_08.9B12.C87.o1.gs	Method	GENSCAN
Start	377	End	622
GI	none	Score	.88
Exons	377..622		

Seq. No.	36439	Seq. ID	OJ990408_08.9B12.C87
Gene No.	74940	Strand	+
Start	2290	End	2764
Name	OJ990408_08.9B12.C87.o1.gp	Method	AAT/GAP
Start	2290	End	2764
GI	none	Score	829
Exons	2290..2764		

Seq. No.	36439	Seq. ID	OJ990408_08.9B12.C87
Gene No.	74941	Strand	-
Start	880	End	3835
Name	OJ990408_08.9B12.C87.o2.gs	Method	GENSCAN
Start	880	End	3835
GI	none	Score	.82
Exons	880..1167, 3683..3835		

Seq. No.	36440	Seq. ID	OJ990408_08.9B12.C88
Gene No.	74942	Strand	+
Start	178	End	2726
Name	OJ990408_08.9B12.C88.o1.gs	Method	GENSCAN
Start	178	End	2726
GI	none	Score	.7
Exons	178..360, 922..1001, 1182..1219, 2585..2726		

Seq. No.	36441	Seq. ID	OJ990408_08.9B12.C91
Gene No.	74943	Strand	
Start	4	End	281
Name	OJ990408_08.9B12.C91.o1.tm	Method	TBLASTX:Maize
Start	4	End	281
GI	none	Score	61
Exons	4..90, 4..87, 27..110, 42..110, 75..281, 102..269		

Seq. No.	36442	Seq. ID	OJ990518_02.9B16.C1
Gene No.	74944	Strand	+
Start	562	End	586
Name	OJ990518_02.9B16.C1.o1.gs	Method	GENSCAN
Start	562	End	586
GI	none	Score	.64
Exons	562..586		

Seq. No.	36443	Seq. ID	OJ990518_02.9B16.C2
Gene No.	74945	Strand	+

Start	57	End	342
Name	OJ990518_02.9B16.C2.o1.gs	Method	GENSCAN
Start	57	End	342
GI	none	Score	.93
Exons	57..342		

Seq. No.	36443	Seq. ID	OJ990518_02.9B16.C2
Gene No.	74946	Strand	+
Start	796	End	1248
Name	OJ990518_02.9B16.C2.o1.gp	Method	AAT/GAP
Start	796	End	1248
GI	uC-osroM202020e03b1	Score	902
Exons	796..1248		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	36444	Seq. ID	OJ990518_02.9B16.C4
Gene No.	74947	Strand	+
Start	208	End	323
Name	OJ990518_02.9B16.C4.o1.gs	Method	GENSCAN
Start	208	End	323
GI	none	Score	.66
Exons	208..323		

Seq. No.	36444	Seq. ID	OJ990518_02.9B16.C4
Gene No.	74948	Strand	-
Start	329	End	602
Name	OJ990518_02.9B16.C4.o1.gp	Method	AAT/GAP
Start	329	End	602
GI	2017_1.R1084	Score	525
Exons	329..602		
GI Descrip.	'4507223/ref|NP_003130.1|pSRPR| 1.0e-102 signal recognition particle receptor (''docking protein'') >gi_134892_sp_P08240_SRPR_HUMAN SIGNAL RECOGNITION PARTICLE RECEPTOR ALPHA SUBUNIT (SR-ALPHA) (DOCKING PROTEIN ALPHA) (DP-ALPHA) >gi_88607_pir__A29440 signal recognition particle receptor - human >gi_30866_emb_CAA29608_ (X06272) docking protein [Homo sapiens]'		

Seq. No.	36445	Seq. ID	OJ990518_02.9B16.C7
Gene No.	74949	Strand	+
Start	463	End	3699
Name	OJ990518_02.9B16.C7.o1.gs	Method	GENSCAN
Start	463	End	3311
GI	none	Score	.79
Exons	463..561, 2219..2352, 2984..3311		

Seq. No.	36445	Seq. ID	OJ990518_02.9B16.C7
Gene No.	74949	Strand	+
Start	463	End	3699
Name	OJ990518_02.9B16.C7.o1.np	Method	AAT/NAP
Start	1412	End	3699
GI	6539588	Score	226
Exons	1412..1438, 2152..2457, 3632..3699		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36445	Seq. ID	OJ990518_02.9B16.C7

Gene No.	74950	Strand	-
Start	2240	End	3699
Name	OJ990518_02.9B16.C7.o2.np	Method	AAT/NAP
Start	2240	End	3699
GI	6721512	Score	76
Exons	2240..2344, 3128..3227, 3521..3699		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36446	Seq. ID	OJ990518_02.9B16.C8
Gene No.	74951	Strand	+
Start	1275	End	2426
Name	OJ990518_02.9B16.C8.o1.gs	Method	GENSCAN
Start	1275	End	2426
GI	none	Score	.43
Exons	1275..1401, 1442..1565, 2267..2426		

Seq. No.	36446	Seq. ID	OJ990518_02.9B16.C8
Gene No.	74952	Strand	+
Start	2548	End	5978
Name	OJ990518_02.9B16.C8.o2.np	Method	AAT/NAP
Start	2548	End	5978
GI	1495259	Score	595
Exons	2548..2666, 2829..3008, 5231..5772, 5864..5978		
GI Descrip.	(X97826) orf04 [Arabidopsis thaliana]		

Seq. No.	36446	Seq. ID	OJ990518_02.9B16.C8
Gene No.	74952	Strand	+
Start	2548	End	5978
Name	OJ990518_02.9B16.C8.o2.gs	Method	GENSCAN
Start	2718	End	5950
GI	none	Score	.4
Exons	2718..3008, 5231..5772, 5864..5950		

Seq. No.	36446	Seq. ID	OJ990518_02.9B16.C8
Gene No.	74952	Strand	+
Start	2548	End	5978
Name	OJ990518_02.9B16.C8.o2.tm	Method	TBLASTX:Maize
Start	2817	End	5475
GI	none	Score	295
Exons	2817..3011, 2822..3019, 5230..5475, 5231..5473		

Seq. No.	36446	Seq. ID	OJ990518_02.9B16.C8
Gene No.	74952	Strand	+
Start	2548	End	5978
Name	OJ990518_02.9B16.C8.o1.tc	Method	TBLASTX:Cress
Start	2829	End	5948
GI	none	Score	157
Exons	2829..3011, 5230..5331, 5231..5512, 5386..5502, 5681..5770, 5864..5947, 5865..5948		

Seq. No.	36446	Seq. ID	OJ990518_02.9B16.C8
Gene No.	74952	Strand	+
Start	2548	End	5978
Name	OJ990518_02.9B16.C8.o1.gp	Method	AAT/GAP
Start	2848	End	4817
GI	4715947	Score	1050
Exons	2848..3008, 3950..4341, 4797..4817		

GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	36446	Seq. ID	OJ990518_02.9B16.C8
Gene No.	74952	Strand	+
Start	2548	End	5978
Name	OJ990518_02.9B16.C8.o1.ts	Method	TBLASTX:Soybean
Start	2913	End	5746
GI	none	Score	118
Exons	2913..3011, 2918..3028, 5230..5508, 5231..5512, 5231..5746, 5681..5746		

Seq. No.	36446	Seq. ID	OJ990518_02.9B16.C8
Gene No.	74952	Strand	+
Start	2548	End	5978
Name	OJ990518_02.9B16.C8.o1.tm	Method	TBLASTX:Maize
Start	5588	End	5954
GI	none	Score	170
Exons	5588..5782, 5678..5770, 5695..5775, 5860..5946, 5862..5954, 5865..5948		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74953	Strand	+
Start	1	End	1438
Name	OJ990518_02.9B16.C9.o1.np	Method	AAT/NAP
Start	1	End	1432
GI	3367522	Score	471
Exons	1..176, 270..356, 457..513, 605..843, 955..1073, 1195..1281, 1370..1432		
GI Descrip.	(AC004392) EST gb|T04691 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74953	Strand	+
Start	1	End	1438
Name	OJ990518_02.9B16.C9.o1.gs	Method	GENSCAN
Start	112	End	938
GI	none	Score	.47
Exons	112..176, 270..356, 457..513, 605..938		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74953	Strand	+
Start	1	End	1438
Name	OJ990518_02.9B16.C9.o1.gp	Method	AAT/GAP
Start	706	End	1438
GI	2800839	Score	572
Exons	706..843, 955..1074, 1195..1281, 1368..1438		
GI Descrip.	5668808/gb|AAD46034.1|AC007519_19 9.0e-21 (AC007519) F16N3.20 [Arabidopsis thaliana]		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74954	Strand	+
Start	9787	End	11861
Name	OJ990518_02.9B16.C9.o5.np	Method	AAT/NAP

Start	9787	End	11861
GI	2281088	Score	129
Exons	9787..9841, 11111..11439, 11834..11861		
GI Descrip.	(AC002333) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74954	Strand	+
Start	9787	End	11861
Name	OJ990518_02.9B16.C9.o3.gs	Method	GENSCAN
Start	10909	End	11756
GI	none	Score	.45
Exons	10909..11119, 11177..11453, 11587..11756		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o1.tm	Method	TBLASTX:Maize
Start	64	End	848
GI	none	Score	200
Exons	64..174, 66..194, 66..176, 266..352, 268..360, 270..353, 271..354, 421..513, 455..514, 461..514, 605..847, 606..848, 606..848		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o1.ts	Method	TBLASTX:Soybean
Start	64	End	1284
GI	none	Score	116
Exons	64..174, 78..182, 271..354, 424..507, 458..508, 602..868, 603..845, 948..1049, 1186..1284		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o1.tc	Method	TBLASTX:Cress
Start	102	End	1233
GI	none	Score	62
Exons	102..176, 103..174, 271..354, 602..844, 603..845, 948..1070, 953..991, 1189..1233		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o3.tm	Method	TBLASTX:Maize
Start	948	End	1284
GI	none	Score	157
Exons	948..1070, 954..1067, 1189..1284		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o2.gp	Method	AAT/GAP
Start	2240	End	5232
GI	2017_1.R1084	Score	2693
Exons	2240..2599, 2686..2769, 3016..3141, 3242..3361, 3695..3802, 3892..4044, 4154..4249, 4365..4449, 4927..5232		

GI Descrip. '4507223/ref|NP_003130.1|pSRPR| 1.0e-102 signal recognition particle receptor (''docking protein'') >gi_134892_sp_P08240_SRPR_HUMAN SIGNAL RECOGNITION PARTICLE RECEPTOR ALPHA SUBUNIT (SR-ALPHA) (DOCKING PROTEIN ALPHA) (DP-ALPHA) >gi_88607_pir__A29440 signal recognition particle receptor - human >gi_30866_emb_CAA29608_ (X06272) docking protein [Homo sapiens]'

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o2.tm	Method	TBLASTX:Maize
Start	2311	End	5920
GI	none	Score	38
Exons	2311..2403, 2321..2413, 2322..2399, 2451..2600, 2452..2601, 2471..2599, 2683..2772, 2684..2770, 3002..3142, 3006..3143, 3010..3144, 3013..3144, 3240..3362, 3242..3367, 3260..3364, 3686..3811, 3692..3805, 3697..3807, 3868..4050, 3887..4045, 3892..4047, 4154..4249, 4158..4250, 4177..4251, 4361..4441, 4365..4448, 4365..4451, 4927..4959, 4929..4961, 4994..5122, 5014..5127, 5015..5122, 5049..5141, 5120..5245, 5123..5200, 5241..5315, 5246..5275, 5248..5280, 5276..5329, 5277..5339, 5278..5331, 5463..5588, 5498..5566, 5586..5723, 5588..5632, 5676..5732, 5722..5817, 5726..5821, 5726..5821, 5810..5920, 5810..5908, 5818..5916		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o3.ts	Method	TBLASTX:Soybean
Start	2430	End	3367
GI	none	Score	177
Exons	2430..2600, 2474..2599, 2500..2610, 2500..2601, 2683..2772, 2684..2770, 3010..3144, 3013..3159, 3035..3151, 3226..3363, 3240..3362, 3242..3367, 3260..3364		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o2.np	Method	AAT/NAP
Start	2474	End	5901
GI	4507223	Score	787
Exons	2474..2599, 2686..2769, 3016..3141, 3242..3361, 3656..3802, 3892..4044, 4154..4249, 4365..4449, 4927..5901		
GI Descrip.	signal recognition particle receptor ('docking protein') gi|134892|sp|P08240|SRPR_HUMAN SIGNAL RECOGNITION PARTICLE RECEPTOR ALPHA SUBUNIT (SR-ALPHA) (DOCKING PROTEIN ALPHA) (DP-ALPHA) gi|88607|pir||A29440 signal recognition particle receptor - human gi|30866|emb|CAA29608| (X06272) docking protein [Homo sapiens]		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o2.tw	Method	TBLASTX:Wheat
Start	2474	End	3069
GI	none	Score	149

Exons	2474..2599, 2475..2600, 2679..2771, 2683..2772, 2684..2770, 3010..3069		
Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o2.gs	Method	GENSCAN
Start	2474	End	10511
GI	none	Score	.85
Exons	2474..2599, 2686..2769, 3016..3141, 3242..3361, 3695..3802, 3892..4044, 4154..4249, 4365..4449, 4927..5630, 5636..5915, 6221..6404, 6517..6562, 7453..7611, 7649..7684, 8311..8547, 9013..9343, 9474..9539, 9768..9913, 9972..10169, 10383..10511		
Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o3.np	Method	AAT/NAP
Start	2990	End	5901
GI	134891	Score	613
Exons	2990..3141, 3242..3361, 3656..3802, 3892..4044, 4154..4249, 4365..4449, 4927..5901		
GI Descrip.	SIGNAL RECOGNITION PARTICLE RECEPTOR ALPHA SUBUNIT (SR-ALPHA) (DOCKING PROTEIN ALPHA) (DP-ALPHA) gi|89066|pir||A24570 signal recognition particle receptor precursor - dog gi|997|emb|CAA26945| (X03184) signal recognition particle receptor [Canis sp.] gi|224778|prf||1112224A signal recognition particle receptor [Canis familiaris]		
Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o4.tw	Method	TBLASTX:Wheat
Start	3235	End	3916
GI	none	Score	185
Exons	3235..3363, 3240..3362, 3242..3367, 3260..3364, 3686..3811, 3692..3805, 3697..3807, 3881..3916, 3887..3916		
Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o2.ts	Method	TBLASTX:Soybean
Start	3725	End	5141
GI	none	Score	80
Exons	3725..3811, 3726..3803, 3868..4050, 3872..4048, 3891..4055, 4157..4249, 4158..4277, 4365..4493, 4365..4451, 4929..4961, 4988..5125, 5049..5141		
Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o1.tw	Method	TBLASTX:Wheat
Start	3975	End	5059
GI	none	Score	100
Exons	3975..4046, 3975..4046, 3976..4047, 3976..4050, 4146..4250, 4153..4248, 4154..4249, 4156..4251, 4365..4451, 4365..4451, 4366..4452, 4918..4974, 4927..4980, 4928..5059, 5015..5053		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o5.tw	Method	TBLASTX:Wheat
Start	5067	End	5435
GI	none	Score	137
Exons	5067..5153, 5070..5303, 5247..5303, 5257..5325, 5258..5317, 5302..5322, 5381..5404, 5382..5435		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o4.ts	Method	TBLASTX:Soybean
Start	5220	End	5901
GI	none	Score	63
Exons	5220..5303, 5248..5307, 5463..5582, 5586..5723, 5711..5821, 5851..5901		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o3.tw	Method	TBLASTX:Wheat
Start	5586	End	5908
GI	none	Score	85
Exons	5586..5723, 5759..5821, 5837..5905, 5852..5908		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o3.gp	Method	AAT/GAP
Start	6123	End	6457
GI	5803582	Score	614
Exons	6123..6457		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o4.gp	Method	AAT/GAP
Start	8001	End	8278
GI	5005143	Score	472
Exons	8001..8278		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o4.np	Method	AAT/NAP
Start	8299	End	10198
GI	4115913	Score	314
Exons	8299..8547, 9013..9347, 9477..9708, 9972..10198		
GI Descrip.	(AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=307.1, E=2.2e-88, N=1) [Arabidopsis thaliana] gi|4539409|emb|CAB40042.1| (AL049524) putative flavanone 3-beta-hydroxylase [Arabidopsis thaliana]		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-

Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o5.ts	Method	TBLASTX:Soybean
Start	8308	End	9601
GI	none	Score	105
Exons	8308..8394, 8419..8574, 9007..9165, 9011..9166, 9175..9345, 9455..9601		

Seq. No.	36447	Seq. ID	OJ990518_02.9B16.C9
Gene No.	74955	Strand	-
Start	2474	End	11699
Name	OJ990518_02.9B16.C9.o5.gp	Method	AAT/GAP
Start	9260	End	11699
GI	3117_1.R1084	Score	1295
Exons	9260..9343, 9474..9708, 9972..10169, 11515..11699		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74956	Strand	+
Start	9180	End	11014
Name	OJ990518_02.9B16.C10.o4.gs	Method	GENSCAN
Start	9180	End	11014
GI	none	Score	.88
Exons	9180..9209, 10673..11014		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74957	Strand	-
Start	1286	End	2003
Name	OJ990518_02.9B16.C10.o1.gs	Method	GENSCAN
Start	1286	End	2003
GI	none	Score	.76
Exons	1286..1507, 1668..2003		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74958	Strand	-
Start	3126	End	4417
Name	OJ990518_02.9B16.C10.o2.gs	Method	GENSCAN
Start	3126	End	4417
GI	none	Score	.81
Exons	3126..3259, 3401..3607, 3749..3971, 4006..4181, 4279..4417		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74958	Strand	-
Start	3126	End	4417
Name	OJ990518_02.9B16.C10.o1.np	Method	AAT/NAP
Start	3177	End	3893
GI	6714305	Score	266
Exons	3177..3259, 3359..3636, 3749..3893		
GI Descrip.	(AC013354) F15H18.4 [Arabidopsis thaliana]		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74959	Strand	-
Start	7340	End	8311
Name	OJ990518_02.9B16.C10.o3.gs	Method	GENSCAN

Start	7340	End	8311
GI	none	Score	.57
Exons	7340..7458, 8260..8311		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74960	Strand	-
Start	12517	End	13290
Name	OJ990518_02.9B16.C10.o5.gs	Method	GENSCAN
Start	12517	End	13290
GI	none	Score	.65
Exons	12517..12703, 13271..13290		

Seq. No.	36448	Seq. ID	OJ9905 02.9B16.C10
Gene No.	74961	Strand	-
Start	13907	End	141[illegible]
Name	OJ990518_02.9B16.C10.o1.ts	Method	TBLASTX:Soybe n
Start	3189	End	3887
GI	none	Score	108
Exons	3189..3266, 3387..3581, 3403..3561, 3754..3876, 3771..3887		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74961	Strand	-
Start	13907	End	14160
Name	OJ990518_02.9B16.C10.o1.tc	Method	TBLASTX:Corn
Start	3367	End	3[illegible]
GI	none	Score	116
Exons	3367..3573, 3399..3566		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74961	Strand	-
Start	13907	End	14160
Name	OJ990518_02.9B16.C10.o2.tm	Method	TBLASTX:Maize
Start	3417	End	3899
GI	none	Score	119
Exons	3417..3581, 3436..3678, 3762..3899, 3763..3894		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74961	Strand	-
Start	13907	End	14160
Name	OJ990518_02.9B16.C10.o1.tm	Method	TBLASTX:Maize
Start	12613	End	13033
GI	none	Score	155
Exons	12613..12834, 12642..12836, 12642..12842, 12838..12891, 12840..12896, 12938..13033, 12941..13021		

Seq. No.	36448	Seq. ID	OJ990518_02.9B16.C10
Gene No.	74961	Strand	-
Start	13907	End	14160
Name	OJ990518_02.9B16.C10.o2.gp	Method	AAT/GAP
Start	13907	End	14160
GI	57919_1.R1084	Score	433
Exons	13907..14160		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	36449	Seq. ID	OJ990518_02.9B16.C11
Gene No.	74962	Strand	-

Start	752	End	1179
Name	OJ990518_02.9B16.C11.o1.gp	Method	AAT/GAP
Start	752	End	1179
GI	5455510	Score	812
Exons	752..1179		

Seq. No.	36449	Seq. ID	OJ990518_02.9B16.C11
Gene No.	74963	Strand	-
Start	1447	End	3255
Name	OJ990518_02.9B16.C11.o2.gp	Method	AAT/GAP
Start	1379	End	3255
GI	5455511	Score	688
Exons	1379..1680, 3134..3255		
GI Descrip.	4966364/gb|AAD34695.1|AC006341_23 3.0e-35 (AC006341) Similar to gb_AJ224359 surfeit locus protein 5 (surf5b) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	36449	Seq. ID	OJ990518_02.9B16.C11
Gene No.	74963	Strand	-
Start	1447	End	3255
Name	OJ990518_02.9B16.C11.o1.gs	Method	GENSCAN
Start	1447	End	3199
GI	none	Score	81
Exons	1447..1680, 3134..3199		

Seq. No.	36449	Seq. ID	OJ990518_02.9B16.C11
Gene No.	74963	Strand	-
Start	1447	End	3255
Name	OJ990518_02.9B16.C11.o1.np	Method	AAT/NAP
Start	1453	End	2905
GI	4966364	Score	195
Exons	1453..1680, 2882..2905		
GI Descrip.	(AC006341) Similar to gb|AJ224359 surfeit locus protein 5 (surf5b) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	36449	Seq. ID	OJ990518_02.9B16.C11
Gene No.	74963	Strand	-
Start	1447	End	3255
Name	OJ990518_02.9B16.C11.o1.ts	Method	TBLASTX:Soybean
Start	1471	End	3205
GI	4396058	Score	156
Exons	1471..1689, 1472..1681, 3077..3205, 3129..3200		
GI Descrip.	2498977/sp_Q62276_SUR5_MOUSE 1.0e-12 SURFEIT LOCUS PROTEIN 5 >gi_1150512_emb_CAA59453_ (X85169) SURF-5 protein [Mus musculus]		

Seq. No.	36449	Seq. ID	OJ990518_02.9B16.C11
Gene No.	74963	Strand	-
Start	1447	End	3255
Name	OJ990518_02.9B16.C11.o1.tc	Method	TBLASTX:Cress
Start	1474	End	3205
GI	none	Score	97
Exons	1474..1680, 1529..1672, 3077..3193, 3077..3205		

Seq. No.	36450	Seq. ID	OJ990518_02.9B16.C13
Gene No.	74964	Strand	-
Start	288	End	361
Name	OJ990518_02.9B16.C13.o1.gs	Method	GENSCAN

Start	288	End	361
GI	none	Score	.52
Exons	288..361		

Seq. No.	36451	Seq. ID	OJ990518_02.9B16.C15
Gene No.	74965	Strand	+
Start	237	End	394
Name	OJ990518_02.9B16.C15.o1.gs	Method	GENSCAN
Start	237	End	394
GI	none	Score	.62
Exons	237..394		

Seq. No.	36452	Seq. ID	OJ990518_02.9B16.C21
Gene No.	74966	Strand	-
Start	3	End	489
Name	OJ990518_02.9B16.C21.o1.gs	Method	GENSCAN
Start	3	End	489
GI	none	Score	.76
Exons	3..37, 426..489		

Seq. No.	36453	Seq. ID	OJ990518_02.9B16.C22
Gene No.	74967	Strand	+
Start	1	End	889
Name	OJ990518_02.9B16.C22.o1.np	Method	AAT/NAP
Start	1	End	889
GI	4115913	Score	141
Exons	1..66, 308..540, 670..889		
GI Descrip.	(AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=307.1, E=2.2e-88, N=1) [Arabidopsis thaliana] gi|4539409|emb|CAB40042.1| (AL049524) putative flavanone 3-beta-hydroxylase [Arabidopsis thaliana]		

Seq. No.	36453	Seq. ID	OJ990518_02.9B16.C22
Gene No.	74967	Strand	+
Start	1	End	889
Name	OJ990518_02.9B16.C22.o1.gp	Method	AAT/GAP
Start	308	End	757
GI	3117_1.R1084	Score	597
Exons	308..543, 674..757		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	36453	Seq. ID	OJ990518_02.9B16.C22
Gene No.	74967	Strand	+
Start	1	End	889
Name	OJ990518_02.9B16.C22.o1.gs	Method	GENSCAN
Start	350	End	809
GI	none	Score	.96
Exons	350..543, 674..809		

Seq. No.	36453	Seq. ID	OJ990518_02.9B16.C22
Gene No.	74967	Strand	+
Start	1	End	889
Name	OJ990518_02.9B16.C22.o2.gp	Method	AAT/GAP

Start	786	End	889
GI	699683	Score	188
Exons	786..889		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74968	Strand	+
Start	8022	End	8251
Name	OJ990518_02.9B16.C23.o2.gp	Method	AAT/GAP
Start	8022	End	8251
GI	none	Score	395
Exons	8022..8251		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74969	Strand	+
Start	16904	End	19111
Name	OJ990518_02.9B16.C23.o3.gs	Method	GENSCAN
Start	16904	End	19111
GI	none	Score	.89
Exons	16904..16979, 18930..19111		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74969	Strand	+
Start	16904	End	19111
Name	OJ990518_02.9B16.C23.o5.gp	Method	AAT/GAP
Start	18414	End	18877
GI	LIB3432-059-P1-K1-D8	Score	725
Exons	18414..18877		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74970	Strand	+
Start	20667	End	25379
Name	OJ990518_02.9B16.C23.o2.np	Method	AAT/NAP
Start	20667	End	21637
GI	6907106	Score	339
Exons	20667..21115, 21166..21374, 21451..21637		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74970	Strand	+
Start	20667	End	25379
Name	OJ990518_02.9B16.C23.o3.np	Method	AAT/NAP
Start	21406	End	25379
GI	4539658	Score	104
Exons	21406..21462, 22730..22873, 25314..25379		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74970	Strand	+
Start	20667	End	25379
Name	OJ990518_02.9B16.C23.o6.gp	Method	AAT/GAP
Start	22555	End	22860
GI	LIB3475-004-P1-K2-A5	Score	405
Exons	22555..22714, 22766..22860		

GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		
Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74971	Strand	+
Start	29360	End	29812
Name	OJ990518_02.9B16.C23.o7.gp	Method	AAT/GAP
Start	29360	End	29812
GI	LIB3432-059-P1-K1-D8	Score	708
Exons	29360..29812		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74972	Strand	-
Start	312	End	576
Name	OJ990518_02.9B16.C23.o1.gp	Method	AAT/GAP
Start	312	End	576
GI	5005057	Score	522
Exons	312..576		
Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74973	Strand	-
Start	3512	End	13309
Name	OJ990518_02.9B16.C23.o2.gs	Method	GENSCAN
Start	3512	End	13309
GI	none	Score	.79
Exons	3512..3637, 5116..5418, 5594..5698, 8490..8556, 9179..9257, 9349..9505, 9600..9738, 9839..10026, 10310..10378, 10507..10593, 10676..10819, 11350..11433, 11517..11615, 12116..12238, 12764..13309		
Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74973	Strand	-
Start	3512	End	13309
Name	OJ990518_02.9B16.C23.o1.np	Method	AAT/NAP
Start	8269	End	13288
GI	3413511	Score	1973
Exons	8269..8400, 8490..8556, 9179..9257, 9349..9505, 9600..9738, 9839..9891, 10056..10163, 10310..10378, 10507..10572, 10676..10819, 11350..11433, 11517..11615, 12116..12222, 12754..13288		
GI Descrip.	(AJ000265) glucose-6-phosphate isomerase [Spinacia oleracea]		
Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74973	Strand	-
Start	3512	End	13309
Name	OJ990518_02.9B16.C23.o3.gp	Method	AAT/GAP
Start	10075	End	10572
GI	LIB3434-024-P1-K1-C4	Score	645
Exons	10075..10378, 10507..10572		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646

Name	OJ990518_02.9B16.C23.o2.tm	Method	TBLASTX:Maize
Start	700	End	1372
GI	none	Score	67
Exons	700..807, 711..815, 711..848, 711..824, 717..818, 726..851, 731..817, 774..845, 840..965, 844..972, 853..966, 859..981, 870..902, 874..996, 900..1013, 900..959, 906..980, 989..1147, 996..1136, 998..1162, 1008..1166, 1017..1124, 1017..1160, 1019..1180, 1022..1174, 1022..1174, 1042..1080, 1109..1201, 1109..1201, 1190..1342, 1192..1347, 1193..1342, 1198..1353, 1199..1345, 1204..1350, 1205..1351, 1205..1354, 1217..1336, 1253..1372		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o1.tm	Method	TBLASTX:Maize
Start	8266	End	13073
GI	none	Score	142
Exons	8266..8400, 8273..8377, 8487..8555, 8490..8561, 8492..8560, 9179..9259, 9181..9258, 9344..9505, 9347..9511, 9469..9510, 9592..9738, 9603..9740, 9605..9763, 9606..9764, 9838..9894, 9843..9902, 10053..10163, 10054..10164, 10054..10164, 10291..10377, 10309..10371, 10310..10408, 10316..10378, 10504..10617, 10506..10619, 10509..10619, 10668..10823, 10674..10820, 10676..10822, 11344..11433, 11345..11434, 11345..11434, 11517..11618, 11521..11616, 11524..11625, 11529..11618, 12105..12221, 12113..12223, 12123..12224, 12728..13012, 12761..13072, 12771..13073		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o3.tc	Method	TBLASTX:Cress
Start	8278	End	9505
GI	none	Score	124
Exons	8278..8400, 8279..8374, 8279..8401, 8487..8561, 8487..8555, 8491..8577, 9179..9259, 9181..9258, 9344..9505		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o2.ts	Method	TBLASTX:Soybean
Start	8281	End	10164
GI	none	Score	116
Exons	8281..8400, 8282..8374, 8487..8555, 8491..8559, 9179..9259, 9181..9258, 9344..9505, 9347..9508, 9555..9740, 9571..9738, 9600..9788, 9829..9891, 9838..9894, 10053..10163, 10054..10164		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o1.ts	Method	TBLASTX:Soybean
Start	10310	End	13084
GI	none	Score	58
Exons	10310..10378, 10508..10573, 10510..10617, 10647..10715, 10674..10820, 10675..10821, 10676..10822, 10683..10823, 11344..11433, 11345..11434, 11517..11618, 11518..11616,		

12104..12220, 12113..12241, 12117..12239, 12746..13006,
12750..13082, 12761..13084

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o4.tc	Method	TBLASTX:Cress
Start	12893	End	13088
GI	none	Score	127
Exons	12893..13078, 12894..13088		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o3.tm	Method	TBLASTX:Maize
Start	21075	End	21539
GI	none	Score	116
Exons	21075..21092, 21204..21341, 21204..21419, 21291..21344, 21312..21374, 21358..21381, 21390..21485, 21414..21491, 21450..21539, 21460..21537		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o4.np	Method	AAT/NAP
Start	25598	End	29646
GI	133435	Score	914
Exons	25598..25629, 27083..27695, 29595..29646		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi|66983|pir||RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi|11972|emb|CAA33987| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi|226690|prf||1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o1.tc	Method	TBLASTX:Cress
Start	27087	End	27417
GI	none	Score	246
Exons	27087..27332, 27087..27416, 27088..27417		

Seq. No.	36454	Seq. ID	OJ990518_02.9B16.C23
Gene No.	74974	Strand	-
Start	25598	End	29646
Name	OJ990518_02.9B16.C23.o2.tc	Method	TBLASTX:Cress
Start	27427	End	27647
GI	none	Score	306
Exons	27427..27645, 27427..27645, 27429..27647		

Seq. No.	36455	Seq. ID	OJ990518_02.9B16.C24
Gene No.	74975	Strand	+
Start	859	End	927
Name	OJ990518_02.9B16.C24.o1.gs	Method	GENSCAN
Start	859	End	927
GI	none	Score	.54
Exons	859..927		

Seq. No.	36456	Seq. ID	OJ990518_02.9B16.C25
Gene No.	74976	Strand	+
Start	1	End	2352
Name	OJ990518_02.9B16.C25.o1.gs	Method	GENSCAN
Start	1	End	2352
GI	none	Score	.76
Exons	1..222, 845..931, 1040..1138, 1919..2199, 2247..2352	1232..1433, 1546..1667,	

Seq. No.	36456	Seq. ID	OJ990518_02.9B16.C25
Gene No.	74976	Strand	+
Start	1	End	2352
Name	OJ990518_02.9B16.C25.o1.np	Method	AAT/NAP
Start	1	End	2194
GI	4160298	Score	468
Exons	1..222, 845..931, 1040..1138, 1919..1976, 2022..2194	1232..1433, 1546..1667,	
GI Descrip.	(AJ011892) cyclin D2.1 protein [Nicotiana tabacum]		

Seq. No.	36456	Seq. ID	OJ990518_02.9B16.C25
Gene No.	74977	Strand	-
Start	3243	End	3332
Name	OJ990518_02.9B16.C25.o1.tm	Method	TBLASTX:Maize
Start	72	End	1676
GI	none	Score	76
Exons	72..134, 73..147, 199..225, 199..246, 769..798, 842..931, 856..933, 1022..1144, 1039..1140, 1229..1435, 1237..1443, 1544..1579, 1545..1676		

Seq. No.	36456	Seq. ID	OJ990518_02.9B16.C25
Gene No.	74977	Strand	-
Start	3243	End	3332
Name	OJ990518_02.9B16.C25.o1.tc	Method	TBLASTX:Cress
Start	827	End	1366
GI	none	Score	87
Exons	827..934, 839..931, 1031..1141, 1045..1119, 1229..1366, 1237..1350		

Seq. No.	36456	Seq. ID	OJ990518_02.9B16.C25
Gene No.	74977	Strand	-
Start	3243	End	3332
Name	OJ990518_02.9B16.C25.o1.ts	Method	TBLASTX:Soybean
Start	839	End	1420
GI	none	Score	106
Exons	839..931, 1031..1141, 1060..1137, 1229..1420, 1252..1335		

Seq. No.	36456	Seq. ID	OJ990518_02.9B16.C25
Gene No.	74977	Strand	-
Start	3243	End	3332
Name	OJ990518_02.9B16.C25.o2.gs	Method	GENSCAN
Start	3243	End	3332
GI	none	Score	.93
Exons	3243..3332		

Seq. No.	36457	Seq. ID	OJ990518_02.9B16.C26
Gene No.	74978	Strand	+

Start	474	End	908
Name	OJ990518_02.9B16.C26.o1.gs	Method	GENSCAN
Start	474	End	908
GI	none	Score	.44
Exons	474..494, 588..908		

Seq. No.	36457	Seq. ID	OJ990518_02.9B16.C26
Gene No.	74979	Strand	-
Start	2971	End	5607
Name	OJ990518_02.9B16.C26.o2.gs	Method	GENSCAN
Start	2971	End	5607
GI	none	Score	.46
Exons	2971..3002, 4387..4512, 4635..4761, 4798..4850, 4917..5073, 5500..5607		

Seq. No.	36458	Seq. ID	OJ990518_02.9B16.C27
Gene No.	74980	Strand	-
Start	2947	End	3039
Name	OJ990518_02.9B16.C27.o1.gp	Method	AAT/GAP
Start	2947	End	3039
GI	LIB3477-003-P1-K1-E9	Score	118
Exons	2947..3039		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36459	Seq. ID	OJ990518_02.9B16.C28
Gene No.	74981	Strand	+
Start	777	End	1360
Name	OJ990518_02.9B16.C28.o1.gs	Method	GENSCAN
Start	777	End	1360
GI	none	Score	.78
Exons	777..904, 1302..1360		

Seq. No.	36459	Seq. ID	OJ990518_02.9B16.C28
Gene No.	74982	Strand	-
Start	1219	End	1701
Name	OJ990518_02.9B16.C28.o1.gp	Method	AAT/GAP
Start	1219	End	1701
GI	3760052	Score	786
Exons	1219..1701		

Seq. No.	36460	Seq. ID	OJ990518_02.9B16.C29
Gene No.	74983	Strand	-
Start	1	End	239
Name	OJ990518_02.9B16.C29.o1.gp	Method	AAT/GAP
Start	1	End	239
GI	287171	Score	470
Exons	1..239		

Seq. No.	36461	Seq. ID	OJ990518_02.9B16.C30
Gene No.	74984	Strand	+
Start	7184	End	11186
Name	OJ990518_02.9B16.C30.o3.gs	Method	GENSCAN
Start	7184	End	11186
GI	none	Score	.56
Exons	7184..7446, 10643..10784, 11115..11186		

Seq. No.	36461	Seq. ID	OJ990518_02.9B16.C30
Gene No.	74985	Strand	-
Start	2963	End	5609
Name	OJ990518_02.9B16.C30.o2.gs	Method	GENSCAN
Start	2963	End	5609
GI	none	Score	.7
Exons	2963..3135, 3278..3442, 3494..3560, 5430..5609		

Seq. No.	36461	Seq. ID	OJ990518_02.9B16.C30
Gene No.	74986	Strand	-
Start	6606	End	10904
Name	OJ990518_02.9B16.C30.o1.np	Method	AAT/NAP
Start	6606	End	9861
GI	1345502	Score	96
Exons	6606..6626, 9694..9861		
GI Descrip.	(X57297) TNP2 [Antirrhinum majus]		

Seq. No.	36461	Seq. ID	OJ990518_02.9B16.C30
Gene No.	74986	Strand	-
Start	6606	End	10904
Name	OJ990518_02.9B16.C30.o1.gp	Method	AAT/GAP
Start	8529	End	10904
GI	none	Score	1111
Exons	8529..8893, 10582..10654, 10725..10904		

Seq. No.	36461	Seq. ID	OJ990518_02.9B16.C30
Gene No.	74987	Strand	-
Start	11775	End	12212
Name	OJ990518_02.9B16.C30.o4.gs	Method	GENSCAN
Start	11775	End	12212
GI	none	Score	.99
Exons	11775..11819, 12011..12212		

Seq. No.	36462	Seq. ID	OJ990518_02.9B16.C31
Gene No.	74988	Strand	+
Start	381	End	714
Name	OJ990518_02.9B16.C31.o1.gs	Method	GENSCAN
Start	381	End	714
GI	none	Score	.62
Exons	381..476, 584..714		

Seq. No.	36463	Seq. ID	OJ990518_02.9B16.C32
Gene No.	74989	Strand	-
Start	1343	End	2373
Name	OJ990518_02.9B16.C32.o1.gs	Method	GENSCAN
Start	1343	End	2373
GI	none	Score	.86
Exons	1343..1492, 2341..2373		

Seq. No.	36463	Seq. ID	OJ990518_02.9B16.C32
Gene No.	74990	Strand	-
Start	5210	End	6050
Name	OJ990518_02.9B16.C32.o2.gs	Method	GENSCAN
Start	5210	End	6050
GI	none	Score	.5
Exons	5210..5299, 5305..5381, 5481..5621, 5993..6050		

Seq. No.	36464	Seq. ID	OJ990518_02.9B16.C33
Gene No.	74991	Strand	-
Start	932	End	1461
Name	OJ990518_02.9B16.C33.o1.gs	Method	GENSCAN
Start	932	End	1461
GI	none	Score	.45
Exons	932..1047, 1236..1461		

Seq. No.	36465	Seq. ID	OJ990518_02.9B16.C34
Gene No.	74992	Strand	+
Start	56	End	1848
Name	OJ990518_02.9B16.C34.o1.gs	Method	GENSCAN
Start	56	End	1848
GI	none	Score	.51
Exons	56..115, 910..954, 1783..1848		

Seq. No.	36466	Seq. ID	OJ990518_02.9B16.C35
Gene No.	74993	Strand	-
Start	1165	End	6255
Name	OJ990518_02.9B16.C35.o1.gs	Method	GENSCAN
Start	1165	End	6255
GI	none	Score	.76
Exons	1165..1265, 1663..1881, 6201..6255		

Seq. No.	36466	Seq. ID	OJ990518_02.9B16.C35
Gene No.	74993	Strand	-
Start	1165	End	6255
Name	OJ990518_02.9B16.C35.o1.np	Method	AAT/NAP
Start	2716	End	2844
GI	5852093	Score	61
Exons	2716..2844		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	36467	Seq. ID	OJ990518_02.9B16.C38
Gene No.	74994	Strand	-
Start	393	End	457
Name	OJ990518_02.9B16.C38.o1.gs	Method	GENSCAN
Start	393	End	457
GI	none	Score	.72
Exons	393..457		

Seq. No.	36468	Seq. ID	OJ990518_02.9B16.C40
Gene No.	74995	Strand	-
Start	461	End	549
Name	OJ990518_02.9B16.C40.o1.gs	Method	GENSCAN
Start	461	End	549
GI	none	Score	.77
Exons	461..549		

Seq. No.	36469	Seq. ID	OJ990518_02.9B16.C41
Gene No.	74996	Strand	+
Start	53	End	119
Name	OJ990518_02.9B16.C41.o1.gp	Method	AAT/GAP
Start	53	End	119
GI	LIB3477-003-P1-K1-E9	Score	84
Exons	53..119		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	36469	Seq. ID	OJ990518_02.9B16.C41
Gene No.	74997	Strand	-
Start	403	End	838
Name	OJ990518_02.9B16.C41.o1.gs	Method	GENSCAN
Start	403	End	838
GI	none	Score	.45
Exons	403..413, 586..838		
Seq. No.	36470	Seq. ID	OJ990518_02.9B16.C43
Gene No.	74998	Strand	-
Start	219	End	1127
Name	OJ990518_02.9B16.C43.o1.tm	Method	TBLASTX:Maize
Start	122	End	453
GI	none	Score	174
Exons	122..250, 124..369, 132..269, 133..285, 301..453, 320..451		
Seq. No.	36470	Seq. ID	OJ990518_02.9B16.C43
Gene No.	74998	Strand	-
Start	219	End	1127
Name	OJ990518_02.9B16.C43.o1.gs	Method	GENSCAN
Start	219	End	705
GI	none	Score	.42
Exons	219..705		
Seq. No.	36470	Seq. ID	OJ990518_02.9B16.C43
Gene No.	74998	Strand	-
Start	219	End	1127
Name	OJ990518_02.9B16.C43.o1.gp	Method	AAT/GAP
Start	376	End	1127
GI	LIB3477-009-P1-K1-D12	Score	916
Exons	376..682, 860..954, 1034..1127		
GI Descrip.	'5668808/gb|AAD46034.1|AC007519_19 9.0e-21 (AC007519) F16N3.20 [Arabidopsis thaliana]'		
Seq. No.	36471	Seq. ID	OJ990518_02.9B16.C44
Gene No.	74999	Strand	+
Start	789	End	1111
Name	OJ990518_02.9B16.C44.o1.gs	Method	GENSCAN
Start	789	End	1111
GI	none	Score	.85
Exons	789..1111		
Seq. No.	36472	Seq. ID	OJ990518_02.9B16.C45
Gene No.	75000	Strand	-
Start	553	End	1604
Name	OJ990518_02.9B16.C45.o1.gp	Method	AAT/GAP
Start	288	End	824
GI	17909_1.R1084	Score	808
Exons	288..606, 704..824		
GI Descrip.	'3766535/emb|CAA72383| 8.0e-56 (Y11687) 14-3-3 protein [Solanum tuberosum]'		
Seq. No.	36472	Seq. ID	OJ990518_02.9B16.C45

Gene No.	75000	Strand	-
Start	553	End	1604
Name	OJ990518_02.9B16.C45.o1.tm	Method	TBLASTX:Maize
Start	426	End	823
GI	none	Score	66
Exons	426..500, 426..500, 553..609, 702..821, 703..822	577..615, 698..823, 698..820,	

Seq. No.	36472	Seq. ID	OJ990518_02.9B16.C45
Gene No.	75000	Strand	-
Start	553	End	1604
Name	OJ990518_02.9B16.C45.o1.gs	Method	GENSCAN
Start	553	End	820
GI	none	Score	.94
Exons	553..606, 704..820		

Seq. No.	36472	Seq. ID	OJ990518_02.9B16.C45
Gene No.	75000	Strand	-
Start	553	End	1604
Name	OJ990518_02.9B16.C45.o1.np	Method	AAT/NAP
Start	556	End	1604
GI	466334	Score	188
Exons	556..606, 704..822, 1468..1604		
GI Descrip.	(L29151) 14-3-3 protein homologue [Solanum lycopersicum] gi|1090846|prf||2019487A 14-3-3 protein [Lycopersicon esculentum]		

Seq. No.	36472	Seq. ID	OJ990518_02.9B16.C45
Gene No.	75000	Strand	-
Start	553	End	1604
Name	OJ990518_02.9B16.C45.o1.tc	Method	TBLASTX:Cress
Start	698	End	828
GI	none	Score	132
Exons	698..823, 698..820, 703..828		

Seq. No.	36472	Seq. ID	OJ990518_02.9B16.C45
Gene No.	75000	Strand	-
Start	553	End	1604
Name	OJ990518_02.9B16.C45.o1.ts	Method	TBLASTX:Soybean
Start	698	End	823
GI	none	Score	104
Exons	698..823, 698..820		

Seq. No.	36472	Seq. ID	OJ990518_02.9B16.C45
Gene No.	75000	Strand	-
Start	553	End	1604
Name	OJ990518_02.9B16.C45.o1.tw	Method	TBLASTX:Wheat
Start	698	End	822
GI	none	Score	87
Exons	698..820, 699..821, 718..822		

Seq. No.	36473	Seq. ID	OJ990518_02.9B16.C47
Gene No.	75001	Strand	-
Start	395	End	755
Name	OJ990518_02.9B16.C47.o1.tc	Method	TBLASTX:Cress
Start	393	End	747
GI	none	Score	137

Exons	393..515, 395..517, 396..518, 678..746, 679..747		
Seq. No.	36473	Seq. ID	OJ990518_02.9B16.C47
Gene No.	75001	Strand	-
Start	395	End	755
Name	OJ990518_02.9B16.C47.o1.tw	Method	TBLASTX:Wheat
Start	393	End	518
GI	none	Score	75
Exons	393..485, 395..502, 395..517, 399..518		
Seq. No.	36473	Seq. ID	OJ990518_02.9B16.C47
Gene No.	75001	Strand	-
Start	395	End	755
Name	OJ990518_02.9B16.C47.o1.ts	Method	TBLASTX:Soybean
Start	393	End	755
GI	none	Score	122
Exons	393..488, 395..517, 396..521, 678..755, 679..747		
Seq. No.	36473	Seq. ID	OJ990518_02.9B16.C47
Gene No.	75001	Strand	-
Start	395	End	755
Name	OJ990518_02.9B16.C47.o1.gp	Method	AAT/GAP
Start	395	End	755
GI	17909_1.R1084	Score	461
Exons	395..517, 624..755		
GI Descrip.	'3766535/emb|CAA72383| 8.0e-56 (Y11687) 14-3-3 protein [Solanum tuberosum]'		
Seq. No.	36473	Seq. ID	OJ990518_02.9B16.C47
Gene No.	75001	Strand	-
Start	395	End	755
Name	OJ990518_02.9B16.C47.o1.gs	Method	GENSCAN
Start	395	End	722
GI	none	Score	.98
Exons	395..517, 624..722		
Seq. No.	36473	Seq. ID	OJ990518_02.9B16.C47
Gene No.	75001	Strand	-
Start	395	End	755
Name	OJ990518_02.9B16.C47.o1.np	Method	AAT/NAP
Start	395	End	755
GI	3912948	Score	320
Exons	395..517, 624..755		
GI Descrip.	14-3-3-LIKE PROTEIN B gi|2697099 (U91723) 14-3-3 isoform b [Nicotiana tabacum]		
Seq. No.	36473	Seq. ID	OJ990518_02.9B16.C47
Gene No.	75001	Strand	-
Start	395	End	755
Name	OJ990518_02.9B16.C47.o1.tm	Method	TBLASTX:Maize
Start	428	End	755
GI	none	Score	106
Exons	428..517, 429..518, 678..755, 679..753		
Seq. No.	36474	Seq. ID	OJ990518_02.9B16.C48
Gene No.	75002	Strand	-
Start	1	End	189

Name	OJ990518_02.9B16.C48.o1.gp	Method	AAT/GAP
Start	1	End	189
GI	2442689	Score	340
Exons	1..189		
GI Descrip.	1519252/gb|U65958|OSU65958 5.0e-15 Oryza sativa GF14-d protein mRNA, complete cds		

Seq. No.	36474	Seq. ID	OJ990518_02.9B16.C48
Gene No.	75002	Strand	-
Start	1	End	189
Name	OJ990518_02.9B16.C48.o1.np	Method	AAT/NAP
Start	1	End	112
GI	5902676	Score	121
Exons	1..112		
GI Descrip.	14-3-3-LIKE PROTEIN gi|3153902 (AF066076) 14-3-3-like protein [Helianthus annuus]		

Seq. No.	36474	Seq. ID	OJ990518_02.9B16.C48
Gene No.	75002	Strand	-
Start	1	End	189
Name	OJ990518_02.9B16.C48.o1.gs	Method	GENSCAN
Start	14	End	118
GI	none	Score	.43
Exons	14..118		

Seq. No.	36474	Seq. ID	OJ990518_02.9B16.C48
Gene No.	75003	Strand	-
Start	188	End	2968
Name	OJ990518_02.9B16.C48.o2.np	Method	AAT/NAP
Start	188	End	2968
GI	4680199	Score	193
Exons	188..394, 2494..2545, 2716..2833, 2910..2968		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	36474	Seq. ID	OJ990518_02.9B16.C48
Gene No.	75003	Strand	-
Start	188	End	2968
Name	OJ990518_02.9B16.C48.o2.gs	Method	GENSCAN
Start	906	End	2328
GI	none	Score	.89
Exons	906..988, 2247..2328		

Seq. No.	36474	Seq. ID	OJ990518_02.9B16.C48
Gene No.	75003	Strand	-
Start	188	End	2968
Name	OJ990518_02.9B16.C48.o1.tm	Method	TBLASTX:Maize
Start	2482	End	2831
GI	none	Score	89
Exons	2482..2679, 2742..2831		

Seq. No.	36475	Seq. ID	OJ990518_02.9B16.C51
Gene No.	75004	Strand	-
Start	77	End	158
Name	OJ990518_02.9B16.C51.o1.gs	Method	GENSCAN
Start	77	End	158
GI	none	Score	.77
Exons	77..158		

Seq. No.	36476	Seq. ID	OJ990518_02.9B16.C53
Gene No.	75005	Strand	+
Start	22	End	772
Name	OJ990518_02.9B16.C53.o1.gp	Method	AAT/GAP
Start	22	End	445
GI	25719_1.R1084	Score	788
Exons	22..445		
GI Descrip.	'4544443/gb|AAD22351.1|AC006592_8 6.0e-12 (AC006592) putative mitochondrial uncoupling protein [Arabidopsis thaliana]'		

Seq. No.	36476	Seq. ID	OJ990518_02.9B16.C53
Gene No.	75005	Strand	+
Start	22	End	772
Name	OJ990518_02.9B16.C53.o2.tm	Method	TBLASTX:Maize
Start	71	End	253
GI	none	Score	201
Exons	71..253, 72..191		

Seq. No.	36476	Seq. ID	OJ990518_02.9B16.C53
Gene No.	75005	Strand	+
Start	22	End	772
Name	OJ990518_02.9B16.C53.o1.ts	Method	TBLASTX:Soybean
Start	73	End	765
GI	none	Score	144
Exons	73..180, 78..182, 78..182, 267..398, 293..394, 504..701, 558..764, 739..765		

Seq. No.	36476	Seq. ID	OJ990518_02.9B16.C53
Gene No.	75005	Strand	+
Start	22	End	772
Name	OJ990518_02.9B16.C53.o1.tw	Method	TBLASTX:Wheat
Start	281	End	635
GI	none	Score	176
Exons	281..394, 282..398, 489..635, 495..635		

Seq. No.	36476	Seq. ID	OJ990518_02.9B16.C53
Gene No.	75005	Strand	+
Start	22	End	772
Name	OJ990518_02.9B16.C53.o1.np	Method	AAT/NAP
Start	294	End	772
GI	4220533	Score	455
Exons	294..772		
GI Descrip.	(AL035356) putative mitochondrial uncoupling protein [Arabidopsis thaliana]		

Seq. No.	36476	Seq. ID	OJ990518_02.9B16.C53
Gene No.	75005	Strand	+
Start	22	End	772
Name	OJ990518_02.9B16.C53.o1.tc	Method	TBLASTX:Cress
Start	294	End	770
GI	none	Score	144
Exons	294..398, 311..376, 513..701, 518..676, 597..770		

Seq. No.	36476	Seq. ID	OJ990518_02.9B16.C53
Gene No.	75005	Strand	+
Start	22	End	772

Name	OJ990518_02.9B16.C53.o1.gs	Method	GENSCAN
Start	381	End	764
GI	none	Score	.9
Exons	381..764		

Seq. No.	36476	Seq. ID	OJ990518_02.9B16.C53
Gene No.	75005	Strand	+
Start	22	End	772
Name	OJ990518_02.9B16.C53.o1.tm	Method	TBLASTX:Maize
Start	468	End	768
GI	none	Score	35
Exons	468..491, 489..674, 489..674, 500..688, 675..698, 699..767, 739..768		

Seq. No.	36477	Seq. ID	OJ990518_02.9B16.C54
Gene No.	75006	Strand	+
Start	688	End	950
Name	OJ990518_02.9B16.C54.o1.gs	Method	GENSCAN
Start	688	End	950
GI	none	Score	.61
Exons	688..693, 825..950		

Seq. No.	36477	Seq. ID	OJ990518_02.9B16.C54
Gene No.	75007	Strand	-
Start	1	End	102
Name	OJ990518_02.9B16.C54.o1.gp	Method	AAT/GAP
Start	1	End	102
GI	4697_1.R1084	Score	188
Exons	1..102		
GI Descrip.	'4544443/gb|AAD22351.1|AC006592_8 3.0e-36 (AC006592) putative mitochondrial uncoupling protein [Arabidopsis thaliana]'		

Seq. No.	36477	Seq. ID	OJ990518_02.9B16.C54
Gene No.	75008	Strand	-
Start	6229	End	8220
Name	OJ990518_02.9B16.C54.o2.gs	Method	GENSCAN
Start	6229	End	8220
GI	none	Score	.57
Exons	6229..6327, 6492..6577, 6996..7116, 7518..7540, 7889..8220		

Seq. No.	36478	Seq. ID	OJ990518_02.9B16.C55
Gene No.	75009	Strand	-
Start	1441	End	1565
Name	OJ990518_02.9B16.C55.o1.gs	Method	GENSCAN
Start	1441	End	1565
GI	none	Score	.94
Exons	1441..1565		

Seq. No.	36479	Seq. ID	OJ990518_02.9B16.C58
Gene No.	75010	Strand	+
Start	289	End	514
Name	OJ990518_02.9B16.C58.o1.gs	Method	GENSCAN
Start	289	End	514
GI	none	Score	.85
Exons	289..514		

Seq. No.	36480	Seq. ID	OJ990518_02.9B16.C60

Gene No.	75011	Strand	+
Start	1	End	375
Name	OJ990518_02.9B16.C60.o1.np	Method	AAT/NAP
Start	1	End	369
GI	4220524	Score	284
Exons	1..92, 152..369		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	36480	Seq. ID	OJ990518_02.9B16.C60
Gene No.	75011	Strand	+
Start	1	End	375
Name	OJ990518_02.9B16.C60.o1.gs	Method	GENSCAN
Start	91	End	375
GI	none	Score	.71
Exons	91..375		

Seq. No.	36480	Seq. ID	OJ990518_02.9B16.C60
Gene No.	75012	Strand	+
Start	303	End	437
Name	OJ990518_02.9B16.C60.o1.tm	Method	TBLASTX:Maize
Start	177	End	356
GI	none	Score	84
Exons	177..263, 177..356, 178..351, 332..352		

Seq. No.	36480	Seq. ID	OJ990518_02.9B16.C60
Gene No.	75012	Strand	+
Start	303	End	437
Name	OJ990518_02.9B16.C60.o1.ts	Method	TBLASTX:Soybean
Start	177	End	357
GI	none	Score	73
Exons	177..263, 178..357, 180..356		

Seq. No.	36480	Seq. ID	OJ990518_02.9B16.C60
Gene No.	75012	Strand	+
Start	303	End	437
Name	OJ990518_02.9B16.C60.o1.tc	Method	TBLASTX:Cress
Start	178	End	363
GI	none	Score	220
Exons	178..363, 198..362		

Seq. No.	36480	Seq. ID	OJ990518_02.9B16.C60
Gene No.	75012	Strand	+
Start	303	End	437
Name	OJ990518_02.9B16.C60.o1.gp	Method	AAT/GAP
Start	303	End	437
GI	3760052	Score	261
Exons	303..437		

Seq. No.	36481	Seq. ID	OJ990518_02.9B16.C61
Gene No.	75013	Strand	+
Start	1	End	483
Name	OJ990518_02.9B16.C61.o1.np	Method	AAT/NAP
Start	1	End	409
GI	4966364	Score	196
Exons	1..38, 182..409		
GI Descrip.	(AC006341) Similar to gb|AJ224359 surfeit locus protein 5 (surf5b) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	36481	Seq. ID	OJ990518_02.9B16.C61
Gene No.	75013	Strand	+
Start	1	End	483
Name	OJ990518_02.9B16.C61.o1.ts	Method	TBLASTX:Soybean
Start	172	End	391
GI	4396058	Score	58
Exons	172..270, 173..391, 181..390		
GI Descrip.	2498977/sp_Q62276_SUR5_MOUSE 1.0e-12 SURFEIT LOCUS PROTEIN 5 >gi_1150512_emb_CAA59453_ (X85169) SURF-5 protein [Mus musculus]		

Seq. No.	36481	Seq. ID	OJ990518_02.9B16.C61
Gene No.	75013	Strand	+
Start	1	End	483
Name	OJ990518_02.9B16.C61.o1.gp	Method	AAT/GAP
Start	182	End	483
GI	5455511	Score	570
Exons	182..483		
GI Descrip.	4966364/gb|AAD34695.1|AC006341_23 3.0e-35 (AC006341) Similar to gb_AJ224359 surfeit locus protein 5 (surf5b) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	36481	Seq. ID	OJ990518_02.9B16.C61
Gene No.	75013	Strand	+
Start	1	End	483
Name	OJ990518_02.9B16.C61.o1.tc	Method	TBLASTX:Cress
Start	182	End	388
GI	none	Score	191
Exons	182..388, 190..333		

Seq. No.	36481	Seq. ID	OJ990518_02.9B16.C61
Gene No.	75013	Strand	+
Start	1	End	483
Name	OJ990518_02.9B16.C61.o1.gs	Method	GENSCAN
Start	182	End	415
GI	none	Score	.76
Exons	182..415		

Seq. No.	36482	Seq. ID	OJ990518_02.9B16.C63
Gene No.	75014	Strand	-
Start	200	End	348
Name	OJ990518_02.9B16.C63.o1.gs	Method	GENSCAN
Start	200	End	348
GI	none	Score	.72
Exons	200..348		

Seq. No.	36483	Seq. ID	OJ990518_02.9B16.C64
Gene No.	75015	Strand	+
Start	180	End	328
Name	OJ990518_02.9B16.C64.o1.gs	Method	GENSCAN
Start	180	End	328
GI	none	Score	.76
Exons	180..328		

Seq. No.	36484	Seq. ID	OJ990818_09.9B08.C1
Gene No.	75016	Strand	+
Start	1	End	582

Name	OJ990818_09.9B08.C1.o1.np	Method	AAT/NAP
Start	1	End	582
GI	2979554	Score	531
Exons	1..582		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	36485	Seq. ID	OJ990818_09.9B08.C2
Gene No.	75017	Strand	+
Start	1	End	1119
Name	OJ990818_09.9B08.C2.o1.np	Method	AAT/NAP
Start	1	End	1119
GI	2979554	Score	338
Exons	1..61, 136..279, 484..637, 668..973, 1071..1119		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	36485	Seq. ID	OJ990818_09.9B08.C2
Gene No.	75017	Strand	+
Start	1	End	1119
Name	OJ990818_09.9B08.C2.o1.gs	Method	GENSCAN
Start	130	End	969
GI	none	Score	.85
Exons	130..279, 484..969		

Seq. No.	36486	Seq. ID	OJ990818_09.9B08.C3
Gene No.	75018	Strand	+
Start	1	End	416
Name	OJ990818_09.9B08.C3.o1.np	Method	AAT/NAP
Start	1	End	416
GI	2979554	Score	56
Exons	1..139, 394..416		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	36487	Seq. ID	OJ990818_09.9B08.C4
Gene No.	75019	Strand	+
Start	669	End	779
Name	OJ990818_09.9B08.C4.o1.gs	Method	GENSCAN
Start	669	End	779
GI	none	Score	.76
Exons	669..779		

Seq. No.	36487	Seq. ID	OJ990818_09.9B08.C4
Gene No.	75020	Strand	-
Start	1	End	130
Name	OJ990818_09.9B08.C4.o1.gp	Method	AAT/GAP
Start	1	End	130
GI	none	Score	256
Exons	1..130		

Seq. No.	36488	Seq. ID	OJ990818_09.9B08.C5
Gene No.	75021	Strand	-
Start	819	End	913
Name	OJ990818_09.9B08.C5.o1.gs	Method	GENSCAN
Start	819	End	913
GI	none	Score	.79
Exons	819..913		

Seq. No.	36489	Seq. ID	OJ990818_09.9B08.C6

Gene No.	75022	Strand	
Start	279	End	480
Name	OJ990818_09.9B08.C6.o1.tm	Method	TBLASTX:Maize
Start	279	End	480
GI	none	Score	53
Exons	279..311, 293..310, 337..480,	338..463,	367..480

Seq. No.	36490	Seq. ID	OJ990818_09.9B08.C7
Gene No.	75023	Strand	-
Start	1	End	925
Name	OJ990818_09.9B08.C7.o1.np	Method	AAT/NAP
Start	1	End	776
GI	4263784	Score	136
Exons	1..20, 609..776		
GI Descrip.	(AC006068) putative glycogenin [Arabidopsis thaliana]		

Seq. No.	36490	Seq. ID	OJ990818_09.9B08.C7
Gene No.	75023	Strand	-
Start	1	End	925
Name	OJ990818_09.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	603	End	925
GI	none	Score	98
Exons	603..683, 608..682, 682..750,	683..751,	683..751, 869..925

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75024	Strand	+
Start	2840	End	3241
Name	OJ990818_09.9B08.C8.o1.gp	Method	AAT/GAP
Start	2840	End	3241
GI	3758977	Score	748
Exons	2840..3241		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75025	Strand	+
Start	4440	End	5806
Name	OJ990818_09.9B08.C8.o2.gs	Method	GENSCAN
Start	4440	End	5721
GI	none	Score	.89
Exons	4440..4544, 4951..5114, 5277..5658,	5707..5721	

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75025	Strand	+
Start	4440	End	5806
Name	OJ990818_09.9B08.C8.o2.np	Method	AAT/NAP
Start	5265	End	5806
GI	3218544	Score	634
Exons	5265..5658, 5750..5806		
GI Descrip.	(AB004813) alternative oxidase [Oryza sativa] gi|3218546|dbj|BAA28773| (AB004864) alternative oxidase [Oryza sativa] gi|6467126|dbj|BAA86963.1| (AB007452) alternative oxidase [Oryza sativa]		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75026	Strand	+
Start	7303	End	10309
Name	OJ990818_09.9B08.C8.o4.gs	Method	GENSCAN
Start	7303	End	10309

GI	none	Score	.7
Exons	7303..7521, 7550..7670, 7779..7849, 7963..8044, 8450..8547, 8620..8667, 9258..9335, 10196..10309		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75027	Strand	+
Start	14895	End	15565
Name	OJ990818_09.9B08.C8.o3.np	Method	AAT/NAP
Start	14895	End	15284
GI	1084461	Score	588
Exons	14895..15284		
GI Descrip.	RCc3 protein - rice gi|786132 (L27208) RCc3 [Oryza sativa]		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75027	Strand	+
Start	14895	End	15565
Name	OJ990818_09.9B08.C8.o6.gs	Method	GENSCAN
Start	14895	End	15287
GI	none	Score	1
Exons	14895..15287		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75027	Strand	+
Start	14895	End	15565
Name	OJ990818_09.9B08.C8.o2.gp	Method	AAT/GAP
Start	15108	End	15565
GI	587_3.R1084	Score	898
Exons	15108..15565		
GI Descrip.	'4240032/dbj|AB018587.1|AB018587 4.0e-14 Zea mays ZmGR1a mRNA, complete cds'		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75028	Strand	+
Start	18095	End	18808
Name	OJ990818_09.9B08.C8.o3.gp	Method	AAT/GAP
Start	18012	End	18808
GI	587_2.R1084	Score	1472
Exons	18012..18808		
GI Descrip.	'1084461/pir||S53012 6.0e-50 RCc3 protein - rice >gi_786132 (L27208) RCc3 [Oryza sativa]'		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75028	Strand	+
Start	18095	End	18808
Name	OJ990818_09.9B08.C8.o8.gs	Method	GENSCAN
Start	18095	End	18491
GI	none	Score	1
Exons	18095..18238, 18240..18491		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75029	Strand	+
Start	21310	End	22272
Name	OJ990818_09.9B08.C8.o4.np	Method	AAT/NAP
Start	21310	End	22272
GI	6721516	Score	576
Exons	21310..21546, 21957..22272		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75030	Strand	+
Start	26895	End	29004
Name	OJ990818_09.9B08.C8.o5.np	Method	AAT/NAP
Start	26895	End	28620
GI	508304	Score	331
Exons	26895..27014, 27235..27321, 28331..28620		
GI Descrip.	(L22305) bimodular protein [Medicago sativa]		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75030	Strand	+
Start	26895	End	29004
Name	OJ990818_09.9B08.C8.o4.gp	Method	AAT/GAP
Start	28137	End	28420
GI	97240_1.R1084	Score	532
Exons	28137..28420		
GI Descrip.	'4240032/dbj|AB018587.1|AB018587 4.0e-14 Zea mays ZmGR1a mRNA, complete cds'		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75030	Strand	+
Start	26895	End	29004
Name	OJ990818_09.9B08.C8.o10.gs	Method	GENSCAN
Start	28210	End	28623
GI	none	Score	.97
Exons	28210..28623		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75030	Strand	+
Start	26895	End	29004
Name	OJ990818_09.9B08.C8.o5.gp	Method	AAT/GAP
Start	28441	End	29004
GI	3763780	Score	1017
Exons	28441..29004		
GI Descrip.	4240032/dbj|AB018587.1|AB018587 4.0e-14 Zea mays ZmGR1a mRNA, complete cds		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75031	Strand	-
Start	1084	End	3247
Name	OJ990818_09.9B08.C8.o1.np	Method	AAT/NAP
Start	993	End	2667
GI	2944178	Score	616
Exons	993..1040, 1144..1236, 1338..1478, 1568..1645, 1772..1864, 1957..2064, 2181..2261, 2369..2440, 2535..2667		
GI Descrip.	(AF007778) trehalose-6-phosphate phosphatase [Arabidopsis thaliana]		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75031	Strand	-
Start	1084	End	3247
Name	OJ990818_09.9B08.C8.o1.gs	Method	GENSCAN
Start	1084	End	3247
GI	none	Score	.69
Exons	1084..1236, 1338..1478, 1568..1645, 1772..1873, 2369..2440, 2535..2675, 2754..2886, 2888..2975, 3072..3162, 3242..3247		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75032	Strand	-
Start	5820	End	6227
Name	OJ990818_09.9B08.C8.o3.gs	Method	GENSCAN
Start	5820	End	6227
GI	none	Score	.93
Exons	5820..6227		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75033	Strand	-
Start	11237	End	13846
Name	OJ990818_09.9B08.C8.o5.gs	Method	GENSCAN
Start	11237	End	13846
GI	none	Score	.67
Exons	11237..12096, 12685..12799, 12937..13104, 13835..13846		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o2.tm	Method	TBLASTX:Maize
Start	973	End	2231
GI	none	Score	64
Exons	973..1041, 995..1042, 1138..1215, 1142..1216, 1143..1220, 1311..1478, 1338..1478, 1565..1657, 1566..1658, 1770..1874, 1772..1873, 2187..2231		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o4.tw	Method	TBLASTX:Wheat
Start	994	End	1479
GI	none	Score	39
Exons	994..1041, 1138..1239, 1142..1237, 1327..1479, 1335..1478		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o2.tc	Method	TBLASTX:Cress
Start	1005	End	2676
GI	none	Score	46
Exons	1005..1040, 1006..1041, 1138..1218, 1142..1222, 1335..1481, 1336..1479, 1563..1658, 1565..1657, 1772..1864, 1773..1874, 1960..2025, 2155..2262, 2181..2261, 2366..2440, 2367..2441, 2514..2606, 2520..2666, 2542..2676		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o3.ts	Method	TBLASTX:Soybean
Start	1141	End	1874
GI	none	Score	83
Exons	1141..1239, 1335..1481, 1336..1479, 1565..1666, 1772..1861, 1773..1874		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-

Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o4.ts	Method	TBLASTX:Soybean
Start	2202	End	2667
GI	none	Score	77
Exons	2202..2261, 2361..2441, 2366..2443, 2369..2443, 2529..2642, 2532..2666, 2545..2667		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o3.tw	Method	TBLASTX:Wheat
Start	2223	End	2667
GI	none	Score	78
Exons	2223..2261, 2361..2441, 2369..2440, 2520..2666, 2545..2667		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o5.tm	Method	TBLASTX:Maize
Start	2232	End	2667
GI	none	Score	81
Exons	2232..2261, 2369..2440, 2370..2441, 2520..2666, 2545..2667		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o4.tm	Method	TBLASTX:Maize
Start	5206	End	5433
GI	none	Score	274
Exons	5206..5379, 5254..5433, 5265..5429		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o1.tc	Method	TBLASTX:Cress
Start	5254	End	5851
GI	none	Score	599
Exons	5254..5658, 5260..5382, 5265..5660, 5750..5851		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o1.ts	Method	TBLASTX:Soybean
Start	5254	End	5809
GI	none	Score	595
Exons	5254..5658, 5259..5660, 5750..5809		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o2.tw	Method	TBLASTX:Wheat
Start	5350	End	5658
GI	none	Score	204
Exons	5350..5514, 5355..5510, 5527..5658, 5566..5658		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-

Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o3.tm	Method	TBLASTX:Maize
Start	5433	End	5812
GI	none	Score	353
Exons	5433..5660, 5434..5670, 5566..5679, 5750..5809, 5750..5812		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o1.tw	Method	TBLASTX:Wheat
Start	14869	End	28617
GI	none	Score	108
Exons	14869..14955, 14874..14948, 14880..15209, 14918..14977, 15029..15181, 15030..15188, 15207..15290, 15221..15289, 18074..18169, 18080..18160, 18165..18410, 18230..18382, 18231..18401, 18408..18485, 18422..18484, 28225..28290, 28368..28532, 28369..28545, 28381..28545, 28539..28607, 28540..28617		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o2.ts	Method	TBLASTX:Soybean
Start	14883	End	28620
GI	none	Score	78
Exons	14883..14969, 15032..15106, 15033..15284, 15170..15283, 18083..18160, 18233..18484, 18234..18485, 28198..28281, 28371..28601, 28372..28620		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o1.tm	Method	TBLASTX:Maize
Start	14886	End	28646
GI	none	Score	555
Exons	14886..15332, 14886..14948, 14918..15283, 18075..18104, 18086..18160, 18089..18163, 18155..18490, 18165..18491, 28225..28290, 28368..28646, 28369..28638		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o3.tc	Method	TBLASTX:Cress
Start	15035	End	28623
GI	none	Score	332
Exons	15035..15106, 15039..15284, 15173..15283, 18236..18496, 18240..18533, 28368..28607, 28372..28623		

Seq. No.	36491	Seq. ID	OJ990818_09.9B08.C8
Gene No.	75034	Strand	-
Start	30197	End	30480
Name	OJ990818_09.9B08.C8.o11.gs	Method	GENSCAN
Start	30197	End	30480
GI	none	Score	.86
Exons	30197..30258, 30426..30480		

Seq. No.	36492	Seq. ID	OJ990818_09.9B08.C9

Gene No.	75035	Strand	-
Start	720	End	6276
Name	OJ990818_09.9B08.C9.o1.gs	Method	GENSCAN
Start	720	End	6276
GI	none	Score	.61
Exons	720..919, 3185..3320, 3418..3579, 4697..4807, 6022..6049, 6223..6276		

Seq. No.	36493	Seq. ID	OJ990818_09.9B08.C10
Gene No.	75036	Strand	-
Start	817	End	1117
Name	OJ990818_09.9B08.C10.o1.gs	Method	GENSCAN
Start	817	End	1117
GI	none	Score	.42
Exons	817..1073, 1093..1117		

Seq. No.	36494	Seq. ID	OJ990818_09.9B08.C11
Gene No.	75037	Strand	+
Start	638	End	1420
Name	OJ990818_09.9B08.C11.o1.np	Method	AAT/NAP
Start	638	End	1420
GI	4056615	Score	1055
Exons	638..1420		
GI Descrip.	(AF067401) Scl1 protein [Oryza sativa]		

Seq. No.	36494	Seq. ID	OJ990818_09.9B08.C11
Gene No.	75038	Strand	+
Start	8403	End	8946
Name	OJ990818_09.9B08.C11.o2.np	Method	AAT/NAP
Start	8403	End	8946
GI	6539585	Score	141
Exons	8403..8570, 8870..8946		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36494	Seq. ID	OJ990818_09.9B08.C11
Gene No.	75039	Strand	-
Start	8649	End	9131
Name	OJ990818_09.9B08.C11.o1.tm	Method	TBLASTX:Maize
Start	47	End	1548
GI	none	Score	104
Exons	47..190, 110..151, 145..186, 220..309, 227..310, 338..445, 354..452, 355..453, 367..453, 368..997, 532..996, 545..997, 823..999, 943..1125, 979..1443, 980..1444, 984..1451, 1265..1450, 1434..1457, 1434..1457, 1435..1458, 1457..1504, 1457..1504, 1459..1548, 1459..1506		

Seq. No.	36494	Seq. ID	OJ990818_09.9B08.C11
Gene No.	75039	Strand	-
Start	8649	End	9131
Name	OJ990818_09.9B08.C11.o1.ts	Method	TBLASTX:Soybean
Start	370	End	1426
GI	none	Score	63
Exons	370..453, 373..453, 377..472, 533..691, 562..639, 665..745, 673..729, 760..894, 983..1213, 995..1228, 1222..1419, 1223..1426		

Seq. No.	36494	Seq. ID	OJ990818_09.9B08.C11
Gene No.	75039	Strand	-

Start	8649	End	9131
Name	OJ990818_09.9B08.C11.o1.tc	Method	TBLASTX:Cress
Start	533	End	895
GI	none	Score	116
Exons	533..637, 562..636, 665..760, 673..735, 767..895, 775..855		

Seq. No.	36494	Seq. ID	OJ990818_09.9B08.C11
Gene No.	75039	Strand	-
Start	8649	End	9131
Name	OJ990818_09.9B08.C11.o2.tc	Method	TBLASTX:Cress
Start	980	End	1426
GI	none	Score	39
Exons	980..1036, 1157..1219, 1213..1419, 1214..1426		

Seq. No.	36494	Seq. ID	OJ990818_09.9B08.C11
Gene No.	75039	Strand	-
Start	8649	End	9131
Name	OJ990818_09.9B08.C11.o2.gs	Method	GENSCAN
Start	8649	End	9131
GI	none	Score	.64
Exons	8649..8734, 8844..8945, 8951..9131		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75040	Strand	-
Start	8183	End	9939
Name	OJ990818_09.9B08.C12.o1.gp	Method	AAT/GAP
Start	7789	End	8132
GI	3107015	Score	656
Exons	7789..8132		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75040	Strand	-
Start	8183	End	9939
Name	OJ990818_09.9B08.C12.o1.np	Method	AAT/NAP
Start	8174	End	9939
GI	5541709	Score	1649
Exons	8174..8748, 8979..9939		
GI Descrip.	(AL096860) putative protein [Arabidopsis thaliana]		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75040	Strand	-
Start	8183	End	9939
Name	OJ990818_09.9B08.C12.o2.gs	Method	GENSCAN
Start	8183	End	9699
GI	none	Score	.98
Exons	8183..8748, 8979..9699		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75040	Strand	-
Start	8183	End	9939
Name	OJ990818_09.9B08.C12.o2.gp	Method	AAT/GAP
Start	8971	End	9320
GI	428100	Score	610
Exons	8971..9320		
GI Descrip.	5541709/emb|CAB51214.1| 4.0e-24 (AL096860) putative protein [Arabidopsis thaliana]		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75040	Strand	-
Start	8183	End	9939
Name	OJ990818_09.9B08.C12.o3.gp	Method	AAT/GAP
Start	9322	End	9862
GI	uC-osf1cyp002b11b1	Score	1054
Exons	9322..9862		
GI Descrip.	'5541709/emb|CAB51214.1| 4.0e-24 (AL096860) putative protein [Arabidopsis thaliana]'		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75041	Strand	-
Start	9878	End	11316
Name	OJ990818_09.9B08.C12.o4.gp	Method	AAT/GAP
Start	9878	End	11316
GI	none	Score	426
Exons	9878..10023, 11198..11316		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75042	Strand	-
Start	11220	End	12136
Name	OJ990818_09.9B08.C12.o1.tm	Method	TBLASTX:Maize
Start	8216	End	9100
GI	none	Score	626
Exons	8216..8749, 8220..8750, 8976..9098, 8977..9099, 8978..9100		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75042	Strand	-
Start	11220	End	12136
Name	OJ990818_09.9B08.C12.o1.tc	Method	TBLASTX:Cress
Start	8217	End	8740
GI	none	Score	81
Exons	8217..8342, 8231..8350, 8342..8740, 8343..8738		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75042	Strand	-
Start	11220	End	12136
Name	OJ990818_09.9B08.C12.o1.ts	Method	TBLASTX:Soybean
Start	8222	End	9690
GI	none	Score	85
Exons	8222..8773, 8225..8356, 8235..8750, 8980..9102, 8980..9135, 8981..9103, 9178..9690, 9199..9456, 9203..9682		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75042	Strand	-
Start	11220	End	12136
Name	OJ990818_09.9B08.C12.o3.tm	Method	TBLASTX:Maize
Start	9127	End	9388
GI	none	Score	190
Exons	9127..9387, 9128..9388		

Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75042	Strand	-
Start	11220	End	12136
Name	OJ990818_09.9B08.C12.o2.tc	Method	TBLASTX:Cress
Start	9421	End	9682
GI	none	Score	42

Exons	9421..9681, 9422..9493, 9433..9678, 9504..9680, 9533..9682		
Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75042	Strand	-
Start	11220	End	12136
Name	OJ990818_09.9B08.C12.o2.tm	Method	TBLASTX:Maize
Start	9466	End	9882
GI	none	Score	173
Exons	9466..9693, 9467..9694, 9511..9705, 9766..9882		
Seq. No.	36495	Seq. ID	OJ990818_09.9B08.C12
Gene No.	75042	Strand	-
Start	11220	End	12136
Name	OJ990818_09.9B08.C12.o3.gs	Method	GENSCAN
Start	11220	End	12136
GI	none	Score	.55
Exons	11220..11431, 11947..12136		
Seq. No.	36496	Seq. ID	OJ990818_09.9B08.C13
Gene No.	75043	Strand	+
Start	809	End	4875
Name	OJ990818_09.9B08.C13.o1.gs	Method	GENSCAN
Start	809	End	4841
GI	none	Score	.66
Exons	809..1080, 1792..1908, 2960..3094, 3116..3271, 3646..3705, 3839..3914, 4000..4137, 4472..4841		
Seq. No.	36496	Seq. ID	OJ990818_09.9B08.C13
Gene No.	75043	Strand	+
Start	809	End	4875
Name	OJ990818_09.9B08.C13.o1.gp	Method	AAT/GAP
Start	3136	End	4842
GI	48077_1.R1084	Score	1495
Exons	3136..3319, 3646..3705, 3852..3914, 4000..4137, 4472..4842		
GI Descrip.	'3249066 1.0e-53 (AC004473) Similar to S. cerevisiae SIK1P protein gb_984964. ESTs gb_F15433 and gb_AA395158 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	36496	Seq. ID	OJ990818_09.9B08.C13
Gene No.	75043	Strand	+
Start	809	End	4875
Name	OJ990818_09.9B08.C13.o1.np	Method	AAT/NAP
Start	3770	End	4875
GI	3249066	Score	609
Exons	3770..3914, 4000..4137, 4472..4875		
GI Descrip.	(AC004473) Similar to S. cerevisiae SIK1P protein gb|984964. ESTs gb|F15433 and gb|AA395158 come from this gene. [Arabidopsis thaliana]		
Seq. No.	36496	Seq. ID	OJ990818_09.9B08.C13
Gene No.	75043	Strand	+
Start	809	End	4875
Name	OJ990818_09.9B08.C13.o1.tm	Method	TBLASTX:Maize
Start	3841	End	4875
GI	none	Score	99
Exons	3841..3915, 3846..3914, 3990..4136, 4001..4138, 4004..4126, 4042..4152, 4089..4136, 4445..4873, 4468..4875, 4468..4872		

Seq. No.	36496	Seq. ID	OJ990818_09.9B08.C13
Gene No.	75043	Strand	+
Start	809	End	4875
Name	OJ990818_09.9B08.C13.o1.tc	Method	TBLASTX:Cress
Start	3852	End	4704
GI	none	Score	82
Exons	3852..3908, 4042..4152, 4443..4667, 4466..4669, 4468..4668, 4669..4704, 4678..4704		

Seq. No.	36496	Seq. ID	OJ990818_09.9B08.C13
Gene No.	75043	Strand	+
Start	809	End	4875
Name	OJ990818_09.9B08.C13.o1.ts	Method	TBLASTX:Soybean
Start	4700	End	4861
GI	none	Score	196
Exons	4700..4807, 4706..4861, 4708..4860		

Seq. No.	36497	Seq. ID	OJ990818_09.9B08.C14
Gene No.	75044	Strand	+
Start	1	End	1046
Name	OJ990818_09.9B08.C14.o1.np	Method	AAT/NAP
Start	1	End	1037
GI	3249066	Score	518
Exons	1..262, 442..512, 624..726, 962..1037		
GI Descrip.	(AC004473) Similar to S. cerevisiae SIK1P protein gb|984964. ESTs gb|F15433 and gb|AA395158 come from this gene. [Arabidopsis thaliana]		

Seq. No.	36497	Seq. ID	OJ990818_09.9B08.C14
Gene No.	75044	Strand	+
Start	1	End	1046
Name	OJ990818_09.9B08.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	169
GI	none	Score	272
Exons	2..151, 3..167, 3..167, 5..169		

Seq. No.	36497	Seq. ID	OJ990818_09.9B08.C14
Gene No.	75044	Strand	+
Start	1	End	1046
Name	OJ990818_09.9B08.C14.o1.gp	Method	AAT/GAP
Start	8	End	1041
GI	16547_1.R1084	Score	892
Exons	8..262, 442..512, 624..726, 962..1041		
GI Descrip.	'3249066 3.0e-40 (AC004473) Similar to S. cerevisiae SIK1P protein gb_984964. ESTs gb_F15433 and gb_AA395158 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	36497	Seq. ID	OJ990818_09.9B08.C14
Gene No.	75044	Strand	+
Start	1	End	1046
Name	OJ990818_09.9B08.C14.o1.gs	Method	GENSCAN
Start	47	End	1037
GI	none	Score	.94
Exons	47..234, 624..726, 962..1037		

Seq. No.	36497	Seq. ID	OJ990818_09.9B08.C14

Gene No.	75044	Strand	+
Start	1	End	1046
Name	OJ990818_09.9B08.C14.o2.tm	Method	TBLASTX:Maize
Start	455	End	1046
GI	none	Score	100
Exons	455..514, 455..508, 457..513, 615..710, 622..732, 635..727, 636..734, 953..1036, 959..1039, 963..1046		

Seq. No.	36498	Seq. ID	OJ990818_09.9B08.C15
Gene No.	75045	Strand	-
Start	1	End	2583
Name	OJ990818_09.9B08.C15.o1.np	Method	AAT/NAP
Start	1	End	2583
GI	2979554	Score	1051
Exons	1..269, 906..1272, 1603..1716, 1806..1902, 2462..2583		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		

Seq. No.	36498	Seq. ID	OJ990818_09.9B08.C15
Gene No.	75045	Strand	-
Start	1	End	2583
Name	OJ990818_09.9B08.C15.o1.tm	Method	TBLASTX:Maize
Start	15	End	1657
GI	none	Score	151
Exons	15..164, 21..161, 22..180, 31..276, 74..277, 74..277, 219..281, 863..1318, 904..1320, 1570..1656, 1574..1657		

Seq. No.	36498	Seq. ID	OJ990818_09.9B08.C15
Gene No.	75045	Strand	-
Start	1	End	2583
Name	OJ990818_09.9B08.C15.o1.gs	Method	GENSCAN
Start	28	End	1874
GI	none	Score	.95
Exons	28..269, 906..1272, 1806..1874		

Seq. No.	36498	Seq. ID	OJ990818_09.9B08.C15
Gene No.	75045	Strand	-
Start	1	End	2583
Name	OJ990818_09.9B08.C15.o3.ts	Method	TBLASTX:Soybean
Start	85	End	966
GI	none	Score	181
Exons	85..276, 107..277, 904..966		

Seq. No.	36498	Seq. ID	OJ990818_09.9B08.C15
Gene No.	75045	Strand	-
Start	1	End	2583
Name	OJ990818_09.9B08.C15.o1.tw	Method	TBLASTX:Wheat
Start	102	End	1161
GI	none	Score	129
Exons	102..269, 102..164, 103..276, 104..277, 903..1136, 904..1161, 904..1149		

Seq. No.	36498	Seq. ID	OJ990818_09.9B08.C15
Gene No.	75045	Strand	-
Start	1	End	2583
Name	OJ990818_09.9B08.C15.o1.ts	Method	TBLASTX:Soybean
Start	976	End	1284
GI	none	Score	112

Exons	976..1284, 980..1120, 1069..1179		
Seq. No.	36498	Seq. ID	OJ990818_09.9B08.C15
Gene No.	75045	Strand	-
Start	1	End	2583
Name	OJ990818_09.9B08.C15.o2.ts	Method	TBLASTX:Soybean
Start	1574	End	2561
GI	none	Score	137
Exons	1574..1723, 1585..1716, 1803..1901, 1804..1899, 2458..2511, 2459..2512, 2511..2543, 2512..2544, 2514..2561		
Seq. No.	36498	Seq. ID	OJ990818_09.9B08.C15
Gene No.	75045	Strand	-
Start	1	End	2583
Name	OJ990818_09.9B08.C15.o2.tm	Method	TBLASTX:Maize
Start	1658	End	2583
GI	none	Score	73
Exons	1658..1717, 1659..1709, 1663..1716, 1803..1901, 1804..1899, 1805..1909, 1817..1909, 2458..2511, 2459..2512, 2463..2522, 2470..2574, 2511..2582, 2512..2583		
Seq. No.	36499	Seq. ID	OJ990818_09.9B08.C16
Gene No.	75046	Strand	-
Start	1	End	1168
Name	OJ990818_09.9B08.C16.o1.np	Method	AAT/NAP
Start	1	End	1168
GI	2979554	Score	473
Exons	1..47, 120..205, 281..349, 425..477, 562..648, 743..812, 1020..1168		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		
Seq. No.	36499	Seq. ID	OJ990818_09.9B08.C16
Gene No.	75046	Strand	-
Start	1	End	1168
Name	OJ990818_09.9B08.C16.o1.tc	Method	TBLASTX:Cress
Start	120	End	646
GI	none	Score	45
Exons	120..161, 158..208, 164..208, 281..352, 282..350, 283..351, 422..526, 426..503, 595..642, 596..646		
Seq. No.	36499	Seq. ID	OJ990818_09.9B08.C16
Gene No.	75046	Strand	-
Start	1	End	1168
Name	OJ990818_09.9B08.C16.o1.tm	Method	TBLASTX:Maize
Start	167	End	1095
GI	none	Score	45
Exons	167..208, 168..206, 271..339, 281..352, 282..350, 419..508, 424..483, 426..482, 566..595, 567..593, 590..649, 595..648, 745..813, 746..835, 747..812, 1010..1090, 1017..1094, 1019..1093, 1021..1095		
Seq. No.	36499	Seq. ID	OJ990818_09.9B08.C16
Gene No.	75046	Strand	-
Start	1	End	1168
Name	OJ990818_09.9B08.C16.o1.gs	Method	GENSCAN
Start	281	End	1168
GI	none	Score	.78

Exons	281..380, 1020..1168		
Seq. No.	36500	Seq. ID	OJ990818_09.9B08.C18
Gene No.	75047	Strand	-
Start	1	End	1785
Name	OJ990818_09.9B08.C18.o1.np	Method	AAT/NAP
Start	1	End	1785
GI	2979554	Score	416
Exons	1..36, 484..618, 1112..1785		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		
Seq. No.	36500	Seq. ID	OJ990818_09.9B08.C18
Gene No.	75047	Strand	-
Start	1	End	1785
Name	OJ990818_09.9B08.C18.o1.gs	Method	GENSCAN
Start	1141	End	1770
GI	none	Score	.92
Exons	1141..1770		
Seq. No.	36501	Seq. ID	OJ990818_09.9B08.C19
Gene No.	75048	Strand	-
Start	1	End	2483
Name	OJ990818_09.9B08.C19.o1.np	Method	AAT/NAP
Start	1	End	2280
GI	2979554	Score	1613
Exons	1..30, 756..2280		
GI Descrip.	(AC003680) unknown protein [Arabidopsis thaliana]		
Seq. No.	36501	Seq. ID	OJ990818_09.9B08.C19
Gene No.	75048	Strand	-
Start	1	End	2483
Name	OJ990818_09.9B08.C19.o1.gs	Method	GENSCAN
Start	657	End	2483
GI	none	Score	.4
Exons	657..2483		
Seq. No.	36502	Seq. ID	OJ990818_08.9B12.C2
Gene No.	75049	Strand	+
Start	218	End	1133
Name	OJ990818_08.9B12.C2.o1.gs	Method	GENSCAN
Start	218	End	906
GI	none	Score	.43
Exons	218..352, 833..906		
Seq. No.	36502	Seq. ID	OJ990818_08.9B12.C2
Gene No.	75049	Strand	+
Start	218	End	1133
Name	OJ990818_08.9B12.C2.o1.gp	Method	AAT/GAP
Start	698	End	1133
GI	38782_1.R1084	Score	755
Exons	698..1133		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	36502	Seq. ID	OJ990818_08.9B12.C2
Gene No.	75050	Strand	-
Start	1	End	1133

Name	OJ990818_08.9B12.C2.o1.np	Method	AAT/NAP
Start	1	End	1133
GI	6907086	Score	274
Exons	1..176, 234..290, 935..1133		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36503	Seq. ID	OJ990818_08.9B12.C3
Gene No.	75051	Strand	+
Start	1	End	424
Name	OJ990818_08.9B12.C3.o1.gp	Method	AAT/GAP
Start	1	End	424
GI	38782_1.R1084	Score	530
Exons	1..73, 112..424		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	36503	Seq. ID	OJ990818_08.9B12.C3
Gene No.	75052	Strand	+
Start	1246	End	1453
Name	OJ990818_08.9B12.C3.o1.gs	Method	GENSCAN
Start	1246	End	1453
GI	none	Score	1
Exons	1246..1453		

Seq. No.	36503	Seq. ID	OJ990818_08.9B12.C3
Gene No.	75053	Strand	+
Start	4928	End	6039
Name	OJ990818_08.9B12.C3.o2.gs	Method	GENSCAN
Start	4928	End	6039
GI	none	Score	.89
Exons	4928..5011, 5629..6039		

Seq. No.	36504	Seq. ID	OJ990818_08.9B12.C4
Gene No.	75054	Strand	+
Start	484	End	596
Name	OJ990818_08.9B12.C4.o1.gs	Method	GENSCAN
Start	484	End	596
GI	none	Score	.75
Exons	484..596		

Seq. No.	36504	Seq. ID	OJ990818_08.9B12.C4
Gene No.	75055	Strand	+
Start	11821	End	12207
Name	OJ990818_08.9B12.C4.o1.gp	Method	AAT/GAP
Start	11821	End	12148
GI	2427953	Score	561
Exons	11821..12148		
GI Descrip.	3880192/emb|CAA96689.1| 3.0e-11 (Z72516) Similarity to Yeast nonsense-mdiated mRNA decay protein (SW:NMD3_YEAST); cDNA EST EMBL:M88908 comes from this gene [Caenorhabditis elegans]		

Seq. No.	36504	Seq. ID	OJ990818_08.9B12.C4
Gene No.	75055	Strand	+
Start	11821	End	12207
Name	OJ990818_08.9B12.C4.o1.np	Method	AAT/NAP
Start	11926	End	12207
GI	4582430	Score	261

Exons	11926..12207		
GI Descrip.	(AC007196) putative nonsense-mediated mRNA decay protein [Arabidopsis thaliana]		
Seq. No.	36504	Seq. ID	OJ990818_08.9B12.C4
Gene No.	75056	Strand	-
Start	2465	End	7514
Name	OJ990818_08.9B12.C4.o2.gs	Method	GENSCAN
Start	2465	End	7514
GI	none	Score	.42
Exons	2465..2567, 6264..6319, 6358..6533, 7061..7157, 7380..7514		
Seq. No.	36504	Seq. ID	OJ990818_08.9B12.C4
Gene No.	75057	Strand	
Start	11919	End	12207
Name	OJ990818_08.9B12.C4.o1.ts	Method	TBLASTX:Soybean
Start	11919	End	12207
GI	none	Score	282
Exons	11919..12170, 11950..12207		
Seq. No.	36504	Seq. ID	OJ990818_08.9B12.C4
Gene No.	75057	Strand	
Start	11919	End	12207
Name	OJ990818_08.9B12.C4.o1.tc	Method	TBLASTX:Cress
Start	11946	End	12195
GI	none	Score	264
Exons	11946..12071, 11950..12195		
Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75058	Strand	+
Start	1	End	4167
Name	OJ990818_08.9B12.C5.o1.np	Method	AAT/NAP
Start	1	End	920
GI	4582430	Score	723
Exons	1..920		
GI Descrip.	(AC007196) putative nonsense-mediated mRNA decay protein [Arabidopsis thaliana]		
Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75058	Strand	+
Start	1	End	4167
Name	OJ990818_08.9B12.C5.o1.gs	Method	GENSCAN
Start	57	End	4167
GI	none	Score	.87
Exons	57..897, 3475..3608, 3706..4167		
Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75058	Strand	+
Start	1	End	4167
Name	OJ990818_08.9B12.C5.o1.gp	Method	AAT/GAP
Start	116	End	451
GI	2443019	Score	660
Exons	116..451		
GI Descrip.	4582430/gb|AAD24816.1|AC007196_2 1.0e-26 (AC007196) nonsense-mediated mRNA decay protein [Arabidopsis thaliana]		
Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5

Gene No.	75058	Strand	+
Start	1	End	4167
Name	OJ990818_08.9B12.C5.o3.gp	Method	AAT/GAP
Start	3507	End	4127
GI	26513_1.R1084	Score	779
Exons	3507..3608, 3706..4127		
GI Descrip.	'586784/sp|P38087|YMC2_YEAST 2.0e-16 MITOCHONDRIAL CARRIER PROTEIN YMC2 PRECURSOR >gi_1078116_pir__S48269 mitochondrial carrier protein YMC2 precursor - yeast (Saccharomyces cerevisiae) >gi_476060_emb_CAA55607_ (X78993) YBR0833 [Saccharomyces cerevisiae] >gi_536390_emb_CAA85059_ (Z35973) ORF YBR104w [Saccharomyces cerevisiae]'		

Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75058	Strand	+
Start	1	End	4167
Name	OJ990818_08.9B12.C5.o2.np	Method	AAT/NAP
Start	3718	End	4113
GI	1397292	Score	261
Exons	3718..4113		
GI Descrip.	(U61949) C. elegans DIF-1 protein (PIR:S55056) [Caenorhabditis elegans]		

Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75059	Strand	-
Start	730	End	1155
Name	OJ990818_08.9B12.C5.o2.ts	Method	TBLASTX:Soybean
Start	3	End	482
GI	none	Score	470
Exons	3..482, 119..481		

Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75059	Strand	-
Start	730	End	1155
Name	OJ990818_08.9B12.C5.o1.tc	Method	TBLASTX:Cress
Start	71	End	671
GI	none	Score	343
Exons	71..295, 81..449, 455..559, 459..560, 618..671		

Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75059	Strand	-
Start	730	End	1155
Name	OJ990818_08.9B12.C5.o1.tm	Method	TBLASTX:Maize
Start	71	End	718
GI	none	Score	997
Exons	71..658, 81..716, 381..668, 386..718, 397..717		

Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75059	Strand	-
Start	730	End	1155
Name	OJ990818_08.9B12.C5.o2.gp	Method	AAT/GAP
Start	730	End	1155
GI	none	Score	573
Exons	730..1155		

Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75060	Strand	

Start	3717	End	4113
Name	OJ990818_08.9B12.C5.o1.ts	Method	TBLASTX:Soybean
Start	3717	End	4112
GI	none	Score	512
Exons	3717..4112, 3718..4110, 3846..3968, 3847..3969, 4014..4079		

Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75060	Strand	
Start	3717	End	4113
Name	OJ990818_08.9B12.C5.o2.tm	Method	TBLASTX:Maize
Start	3717	End	4113
GI	none	Score	556
Exons	3717..4112, 3718..4110, 3859..4011, 4018..4113		

Seq. No.	36505	Seq. ID	OJ990818_08.9B12.C5
Gene No.	75060	Strand	
Start	3717	End	4113
Name	OJ990818_08.9B12.C5.o2.tc	Method	TBLASTX:Cress
Start	3718	End	3980
GI	none	Score	350
Exons	3718..3963, 3723..3980		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75061	Strand	+
Start	1	End	1932
Name	OJ990818_08.9B12.C6.o1.np	Method	AAT/NAP
Start	1	End	1716
GI	6754952	Score	229
Exons	1..33, 1171..1716		
GI Descrip.	ornithine transporter, mitochondrial 1 gi|5565890|gb|AAD45252.1|AF133914_1 (AF133914) ornithine transporter [Mus musculus]		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75061	Strand	+
Start	1	End	1932
Name	OJ990818_08.9B12.C6.o1.gs	Method	GENSCAN
Start	1207	End	1705
GI	none	Score	.98
Exons	1207..1705		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75061	Strand	+
Start	1	End	1932
Name	OJ990818_08.9B12.C6.o1.gp	Method	AAT/GAP
Start	1389	End	1932
GI	3760280	Score	952
Exons	1389..1932		
GI Descrip.	586784/sp|P38087|YMC2_YEAST 2.0e-16 MITOCHONDRIAL CARRIER PROTEIN YMC2 PRECURSOR >gi_1078116_pir__S48269 mitochondrial carrier protein YMC2 precursor - yeast (Saccharomyces cerevisiae) >gi_476060_emb_CAA55607_ (X78993) YBR0833 [Saccharomyces cerevisiae] >gi_536390_emb_CAA85059_ (Z35973) ORF YBR104w [Saccharomyces cerevisiae]		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75062	Strand	+

Start	2750	End	4604
Name	OJ990818_08.9B12.C6.o2.gs	Method	GENSCAN
Start	2750	End	4443
GI	none	Score	.98
Exons	2750..3141, 3885..4443		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75062	Strand	+
Start	2750	End	4604
Name	OJ990818_08.9B12.C6.o2.np	Method	AAT/NAP
Start	2750	End	4501
GI	1085002	Score	514
Exons	2750..3145, 3958..4501		
GI Descrip.	mitochondrial carrier protein DIF-1 homolog - Caenorhabditis elegans gi|472902|emb|CAA53721| (X76115) carrier protein (c1) [Caenorhabditis elegans] gi|829102|emb|CAA88283| (Z48240) DIF-1 [Caenorhabditis elegans]		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75062	Strand	+
Start	2750	End	4604
Name	OJ990818_08.9B12.C6.o2.gp	Method	AAT/GAP
Start	2999	End	4164
GI	2799944	Score	737
Exons	2999..3141, 3885..4164		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75062	Strand	+
Start	2750	End	4604
Name	OJ990818_08.9B12.C6.o3.gp	Method	AAT/GAP
Start	4209	End	4604
GI	13026_1.R1084	Score	698
Exons	4209..4604		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75063	Strand	+
Start	5899	End	8880
Name	OJ990818_08.9B12.C6.o3.np	Method	AAT/NAP
Start	5899	End	8880
GI	133435	Score	1383
Exons	5899..6730, 8841..8880		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi|66983|pir||RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi|11972|emb|CAA33987| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi|226690|prf||1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75063	Strand	+
Start	5899	End	8880
Name	OJ990818_08.9B12.C6.o5.np	Method	AAT/NAP
Start	7430	End	7708
GI	132804	Score	491
Exons	7430..7708		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi|71300|pir||R5RZ23		

ribosomal protein L23 - rice chloroplast gi|12031|emb|CAA33938| (X15901) ribosomal protein L23 [Oryza sativa] gi|12071|emb|CAA33923| (X15901) ribosomal protein L23 [Oryza sativa] gi|226652|prf||1603356CC ribosomal protein L23 [Oryza sativa]

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75063	Strand	+
Start	5899	End	8880
Name	OJ990818_08.9B12.C6.o6.np	Method	AAT/NAP
Start	7730	End	8880
GI	1213600	Score	712
Exons	7730..8119, 8783..8880		
GI Descrip.	(X15901) ribosomal protein L2 [Oryza sativa] gi|1213602|emb|CAA33928| (X15901) ribosomal protein L2 [Oryza sativa] gi|226679|prf||1603356DG ribosomal protein L2 [Oryza sativa]		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o3.tm	Method	TBLASTX:Maize
Start	1166	End	4437
GI	none	Score	377
Exons	1166..1534, 1264..1503, 1267..1383, 1268..1384, 1462..1506, 1546..1668, 1547..1669, 1559..1699, 2747..3142, 2749..3144, 2891..3043, 4002..4025, 4003..4035, 4074..4271, 4075..4272, 4188..4247, 4284..4403, 4285..4407, 4296..4400, 4297..4437		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o2.tw	Method	TBLASTX:Wheat
Start	1206	End	4428
GI	none	Score	407
Exons	1206..1472, 1250..1567, 1250..1534, 1264..1569, 1559..1690, 2890..2955, 4003..4035, 4074..4307, 4075..4305, 4297..4428		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o4.ts	Method	TBLASTX:Soybean
Start	1267	End	4443
GI	none	Score	63
Exons	1267..1308, 1268..1384, 1268..1309, 1268..1408, 1300..1710, 1301..1711, 1301..1711, 1546..1668, 1547..1669, 1608..1715, 2749..3144, 2750..3142, 2882..3001, 2884..3000, 3990..4025, 3991..4443, 4074..4439, 4284..4403, 4285..4407		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o2.tc	Method	TBLASTX:Cress
Start	1268	End	4446
GI	none	Score	106
Exons	1268..1408, 1459..1701, 1481..1705, 2881..3000, 2882..3001, 4182..4445, 4219..4446		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o4.np	Method	AAT/NAP
Start	3791	End	8880
GI	6686165	Score	231
Exons	3791..3849, 6673..6997, 8857..8880		
GI Descrip.	HYPOTHETICAL 269.6 KD PROTEIN YCF2 gi|5881737|dbj|BAA84428.1| (AP000423) ycf2 [Arabidopsis thaliana] gi|5881758|dbj|BAA84449.1| (AP000423) ycf2 [Arabidopsis thaliana]		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o5.tc	Method	TBLASTX:Cress
Start	5811	End	6028
GI	none	Score	54
Exons	5811..5867, 5821..5871, 5830..5889, 5896..6027, 5898..6026, 5900..6028		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o3.ts	Method	TBLASTX:Soybean
Start	5887	End	6344
GI	none	Score	614
Exons	5887..6339, 5889..6344, 5890..6339, 5930..6343		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o4.tm	Method	TBLASTX:Maize
Start	6248	End	6417
GI	none	Score	85
Exons	6248..6295, 6250..6303, 6256..6297, 6297..6365, 6298..6363, 6372..6413, 6373..6417, 6374..6415		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o3.tc	Method	TBLASTX:Cress
Start	6322	End	6607
GI	none	Score	257
Exons	6322..6603, 6329..6607, 6330..6548		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o5.ts	Method	TBLASTX:Soybean
Start	6429	End	6734
GI	none	Score	34
Exons	6429..6488, 6460..6489, 6490..6615, 6490..6564, 6593..6733, 6603..6734		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6

Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o4.tc	Method	TBLASTX:Cress
Start	6729	End	6995
GI	none	Score	80
Exons	6729..6806, 6730..6816, 6730..6804, 6731..6805, 6801..6851, 6801..6950, 6803..6949, 6805..6951, 6951..6995, 6956..6991		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o3.tw	Method	TBLASTX:Wheat
Start	7149	End	7376
GI	none	Score	210
Exons	7149..7295, 7149..7310, 7317..7376, 7318..7374		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o1.tc	Method	TBLASTX:Cress
Start	7225	End	8443
GI	none	Score	83
Exons	7225..7311, 7227..7310, 7235..7315, 7316..7390, 7317..7412, 7318..7404, 7324..7422, 7409..8050, 7409..8035, 7915..8052, 8034..8120, 8038..8121, 8038..8118, 8087..8119, 8131..8247, 8135..8239, 8135..8248, 8234..8365, 8246..8443, 8268..8441, 8402..8443		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	7347	End	8834
GI	none	Score	705
Exons	7347..7871, 7349..7879, 7349..7870, 7872..8036, 7873..7938, 7874..8044, 7915..8043, 8034..8120, 8038..8121, 8038..8118, 8087..8119, 8777..8833, 8778..8834		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o1.tw	Method	TBLASTX:Wheat
Start	7377	End	7753
GI	none	Score	557
Exons	7377..7679, 7378..7752, 7378..7752, 7379..7753, 7379..7753		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	7415	End	8834
GI	none	Score	877
Exons	7415..8050, 7415..8035, 7731..8042, 7915..8052, 8034..8120, 8038..8121, 8038..8118, 8087..8119, 8777..8833, 8778..8834		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-

Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o2.ts	Method	TBLASTX:Soybean
Start	8121	End	8776
GI	none	Score	323
Exons	8121..8198, 8123..8374, 8123..8365, 8268..8387, 8365..8442, 8366..8443, 8397..8621, 8448..8627, 8449..8622, 8592..8768, 8626..8670, 8627..8668, 8628..8669, 8630..8776, 8663..8761		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o2.tm	Method	TBLASTX:Maize
Start	8347	End	8776
GI	none	Score	647
Exons	8347..8718, 8351..8776, 8354..8776		

Seq. No.	36506	Seq. ID	OJ990818_08.9B12.C6
Gene No.	75064	Strand	-
Start	3791	End	8880
Name	OJ990818_08.9B12.C6.o4.tw	Method	TBLASTX:Wheat
Start	8729	End	8834
GI	none	Score	194
Exons	8729..8833, 8730..8834, 8730..8834		

Seq. No.	36507	Seq. ID	OJ990818_08.9B12.C7
Gene No.	75065	Strand	+
Start	112	End	351
Name	OJ990818_08.9B12.C7.o1.gs	Method	GENSCAN
Start	112	End	351
GI	none	Score	.67
Exons	112..351		

Seq. No.	36508	Seq. ID	OJ990818_08.9B12.C8
Gene No.	75066	Strand	+
Start	49	End	408
Name	OJ990818_08.9B12.C8.o1.gs	Method	GENSCAN
Start	49	End	408
GI	none	Score	.98
Exons	49..250, 322..408		

Seq. No.	36509	Seq. ID	OJ990818_08.9B12.C9
Gene No.	75067	Strand	-
Start	245	End	708
Name	OJ990818_08.9B12.C9.o1.gs	Method	GENSCAN
Start	245	End	659
GI	none	Score	1
Exons	245..659		

Seq. No.	36509	Seq. ID	OJ990818_08.9B12.C9
Gene No.	75067	Strand	-
Start	245	End	708
Name	OJ990818_08.9B12.C9.o1.np	Method	AAT/NAP
Start	261	End	708
GI	2894596	Score	384
Exons	261..708		
GI Descrip.	(AL021889) putative protein [Arabidopsis thaliana]		

Seq. No.	36509	Seq. ID	OJ990818_08.9B12.C9
Gene No.	75068	Strand	-
Start	613	End	708
Name	OJ990818_08.9B12.C9.o1.tc	Method	TBLASTX:Cress
Start	312	End	707
GI	none	Score	118
Exons	312..446, 314..442, 452..589,	453..590,	641..706, 657..707

Seq. No.	36509	Seq. ID	OJ990818_08.9B12.C9
Gene No.	75068	Strand	-
Start	613	End	708
Name	OJ990818_08.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	312	End	706
GI	none	Score	92
Exons	312..431, 314..430, 452..622,	453..590,	641..706

Seq. No.	36509	Seq. ID	OJ990818_08.9B12.C9
Gene No.	75068	Strand	-
Start	613	End	708
Name	OJ990818_08.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	312	End	708
GI	none	Score	128
Exons	312..467, 314..478, 452..634,	453..590,	656..706, 667..708

Seq. No.	36509	Seq. ID	OJ990818_08.9B12.C9
Gene No.	75068	Strand	-
Start	613	End	708
Name	OJ990818_08.9B12.C9.o1.gp	Method	AAT/GAP
Start	613	End	708
GI	none	Score	176
Exons	613..708		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75069	Strand	+
Start	73	End	9485
Name	OJ990818_08.9B12.C10.o1.gs	Method	GENSCAN
Start	73	End	7678
GI	none	Score	.41
Exons	73..87, 1876..1950, 4013..4042, 5297..5509, 5581..5667, 6760..6896, 7418..7545, 7566..7678		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75069	Strand	+
Start	73	End	9485
Name	OJ990818_08.9B12.C10.o1.np	Method	AAT/NAP
Start	4193	End	6864
GI	4218129	Score	148
Exons	4193..4250, 5379..5509, 5581..5667, 6760..6864		
GI Descrip.	(AL035353) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75069	Strand	+
Start	73	End	9485
Name	OJ990818_08.9B12.C10.o2.np	Method	AAT/NAP
Start	6831	End	9485
GI	4512704	Score	65
Exons	6831..6919, 8093..8264, 8900..8962, 9135..9221, 9314..9485		

GI Descrip. (AC006569) hypothetical protein [Arabidopsis thaliana]

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75069	Strand	+
Start	73	End	9485
Name	OJ990818_08.9B12.C10.o2.gs	Method	GENSCAN
Start	8115	End	8965
GI	none	Score	.84
Exons	8115..8315, 8555..8965		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75070	Strand	+
Start	9687	End	10106
Name	OJ990818_08.9B12.C10.o1.gp	Method	AAT/GAP
Start	9687	End	10106
GI	none	Score	796
Exons	9687..10106		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75071	Strand	+
Start	20460	End	21015
Name	OJ990818_08.9B12.C10.o4.gp	Method	AAT/GAP
Start	20460	End	21015
GI	2311916	Score	668
Exons	20460..20711, 20908..21015		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75072	Strand	+
Start	21040	End	24497
Name	OJ990818_08.9B12.C10.o5.gs	Method	GENSCAN
Start	21040	End	24245
GI	none	Score	.72
Exons	21040..21583, 21688..21943, 21949..22093, 22986..23117, 23656..23817, 23919..24245		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75072	Strand	+
Start	21040	End	24497
Name	OJ990818_08.9B12.C10.o5.gp	Method	AAT/GAP
Start	21531	End	23820
GI	21103_1.R1084	Score	693
Exons	21531..21583, 21688..21740, 22986..23117, 23656..23820		
GI Descrip.	'2598227/emb|CAA10857| 2.0e-43 (AJ222585) AT-hook protein 1 [Arabidopsis thaliana]'		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75072	Strand	+
Start	21040	End	24497
Name	OJ990818_08.9B12.C10.o6.gp	Method	AAT/GAP
Start	23928	End	24497
GI	16325_1.R1084	Score	1053
Exons	23928..24497		
GI Descrip.	'4097013/gb|U43954|XXU43954 1.0e-11 Expression vector pBMRz, complete cds'		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+

Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o6.gs	Method	GENSCAN
Start	26156	End	28386
GI	none	Score	.79
Exons	26156..26188, 27117..27197, 27324..27392, 27829..27892, 28076..28155, 28255..28386		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+
Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o5.np	Method	AAT/NAP
Start	27321	End	36060
GI	6014701	Score	802
Exons	27321..27392, 27829..27896, 28080..28155, 28255..28338, 28510..28593, 29013..29097, 32865..32986, 33824..33884, 33960..34058, 35600..35700, 35779..35820, 35926..36060		
GI Descrip.	(AF190450) enoyl-CoA-hydratase [Avicennia marina]		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+
Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o7.gp	Method	AAT/GAP
Start	27822	End	28179
GI	29362_1.R1084	Score	228
Exons	27822..27892, 28076..28179		
GI Descrip.	'2880043 1.0e-30 (AC002340) putative 3-hydroxyisobutyryl-coenzyme A hydrolase [Arabidopsis thaliana]'		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+
Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o8.gp	Method	AAT/GAP
Start	28510	End	29097
GI	12453_1.R1084	Score	243
Exons	28510..28594, 29014..29097		
GI Descrip.	'6014701/gb|AAF01467.1|AF190450_1 1.0e-91 (AF190450) enoyl-CoA-hydratase [Avicennia marina]'		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+
Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o8.gs	Method	GENSCAN
Start	31813	End	34443
GI	none	Score	.78
Exons	31813..32061, 32865..32986, 33824..33884, 33960..34145, 34291..34443		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+
Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o10.gp	Method	AAT/GAP
Start	32865	End	33919
GI	12453_1.R1084	Score	295
Exons	32865..32986, 33824..33919		
GI Descrip.	'6014701/gb|AAF01467.1|AF190450_1 1.0e-91 (AF190450) enoyl-CoA-hydratase [Avicennia marina]'		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+
Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o12.gp	Method	AAT/GAP
Start	33726	End	34058
GI	LIB3434-042-P1-K1-B12	Score	354
Exons	33726..33884, 33960..34058		
GI Descrip.	'6014701/gb|AAF01467.1|AF190450_1 5.0e-20 (AF190450) enoyl-CoA-hydratase [Avicennia marina]'		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+
Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o11.gp	Method	AAT/GAP
Start	33822	End	34093
GI	LIB3432-035-P2-K1-D8	Score	237
Exons	33822..33884, 33960..34093		
GI Descrip.	'6014701/gb|AAF01467.1|AF190450_1 3.0e-26 (AF190450) enoyl-CoA-hydratase [Avicennia marina]'		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75073	Strand	+
Start	26156	End	36060
Name	OJ990818_08.9B12.C10.o13.gp	Method	AAT/GAP
Start	35591	End	36053
GI	12453_1.R1084	Score	432
Exons	35591..35701, 35780..35820, 35926..36053		
GI Descrip.	'6014701/gb|AAF01467.1|AF190450_1 1.0e-91 (AF190450) enoyl-CoA-hydratase [Avicennia marina]'		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75074	Strand	-
Start	9937	End	15967
Name	OJ990818_08.9B12.C10.o3.gs	Method	GENSCAN
Start	9937	End	15967
GI	none	Score	.91
Exons	9937..10157, 10620..10713, 10780..10894, 11069..11188, 11908..12079, 13659..13784, 13857..13999, 14246..14454, 14768..14885, 14998..15263, 15638..15967		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75074	Strand	-
Start	9937	End	15967
Name	OJ990818_08.9B12.C10.o3.np	Method	AAT/NAP
Start	9949	End	12011
GI	3786001	Score	691
Exons	9949..10157, 10620..10713, 10780..10894, 11069..11188, 11908..12011		
GI Descrip.	(AC005499) unknown protein [Arabidopsis thaliana]		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75074	Strand	-
Start	9937	End	15967
Name	OJ990818_08.9B12.C10.o2.gp	Method	AAT/GAP
Start	10683	End	12133
GI	10888_1.R1084	Score	880
Exons	10683..10713, 10780..10894, 11069..11188, 11908..12133		

GI Descrip. '3786001 1.0e-53 (AC005499) unknown protein [Arabidopsis thaliana]'

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75074	Strand	-
Start	9937	End	15967
Name	OJ990818_08.9B12.C10.o3.gp	Method	AAT/GAP
Start	13170	End	13984
GI	10443_1.R1084	Score	1492
Exons	13170..13984		

GI Descrip. '4469011/emb|CAB38272| 2.0e-45 (AL035602) carbohydrate kinase-like protein [Arabidopsis thaliana]'

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75074	Strand	-
Start	9937	End	15967
Name	OJ990818_08.9B12.C10.o4.np	Method	AAT/NAP
Start	13567	End	15823
GI	4469011	Score	1242
Exons	13567..13999, 14246..14454, 14768..14885, 14998..15263, 15638..15823		

GI Descrip. (AL035602) carbohydrate kinase-like protein [Arabidopsis thaliana]

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75075	Strand	-
Start	29582	End	30550
Name	OJ990818_08.9B12.C10.o7.gs	Method	GENSCAN
Start	29582	End	30550
GI	none	Score	.61
Exons	29582..29655, 30114..30251, 30502..30550		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75075	Strand	-
Start	29582	End	30550
Name	OJ990818_08.9B12.C10.o9.gp	Method	AAT/GAP
Start	29876	End	30415
GI	LIB3434-038-P1-K1-F1	Score	828
Exons	29876..30415		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o4.tm	Method	TBLASTX:Maize
Start	9809	End	11168
GI	none	Score	42
Exons	9809..9859, 9881..9904, 9904..9969, 9928..9969, 9966..10154, 9967..10158, 9968..10162, 10559..10705, 10580..10714, 10618..10734, 10618..10716, 10777..10896, 10778..10897, 11032..11166, 11063..11167, 11091..11168		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o3.ts	Method	TBLASTX:Soybean

Start	9985	End	12014
GI	none	Score	119
Exons	9985..10158, 9994..10158, 9995..10159, 10618..10716, 10619..10705, 10759..10887, 10777..10875, 10779..10886, 11069..11188, 11071..11187, 11916..12014		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12:C10.o2.tc	Method	TBLASTX:Cress
Start	9994	End	12024
GI	none	Score	91
Exons	9994..10158, 9995..10162, 10597..10716, 10619..10714, 10772..10897, 10777..10896, 10778..10903, 10780..10911, 11069..11188, 11069..11185, 11071..11187, 11911..12024, 11916..12002		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o3.tc	Method	TBLASTX:Cress
Start	13573	End	13804
GI	none	Score	160
Exons	13573..13803, 13616..13804		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o1.ts	Method	TBLASTX:Soybean
Start	13576	End	13909
GI	none	Score	348
Exons	13576..13908, 13598..13909		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o3.tm	Method	TBLASTX:Maize
Start	13771	End	14329
GI	none	Score	238
Exons	13771..14004, 13772..14008, 14246..14329, 14248..14328		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o1.tc	Method	TBLASTX:Cress
Start	13852	End	14460
GI	none	Score	85
Exons	13852..14004, 13856..13921, 13856..14005, 13951..14004, 14245..14460, 14246..14455, 14247..14456		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o2.ts	Method	TBLASTX:Soybean
Start	14263	End	15676
GI	none	Score	68
Exons	14263..14409, 14263..14460, 14270..14455, 14768..14887,		

14769..14888, 14997..15131, 14998..15078, 15078..15263,
15079..15264, 15635..15676

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o2.tm	Method	TBLASTX:Maize
Start	14329	End	15204
GI	none	Score	180

Exons 14329..14460, 14330..14455, 14760..14888, 14768..14896,
14768..14887, 14990..15199, 14997..15200, 14997..15203,
14998..15204

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o4.tc	Method	TBLASTX:Cress
Start	21361	End	23960
GI	none	Score	68

Exons 21361..21405, 21502..21567, 21511..21591, 21681..21740,
22983..23096, 22985..23080, 23636..23797, 23653..23808,
23654..23818, 23655..23819, 23915..23959, 23916..23960

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o5.ts	Method	TBLASTX:Soybean
Start	21681	End	23775
GI	none	Score	63

Exons 21681..21740, 22965..23087, 22983..23117, 22985..23110,
23653..23775, 23655..23774

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o6.tm	Method	TBLASTX:Maize
Start	21686	End	23119
GI	none	Score	98

Exons 21686..21742, 21687..21740, 21689..21742, 22983..23117,
22985..23119, 22985..23116

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	23656	End	24251
GI	none	Score	254

Exons 23656..23811, 23658..23819, 23667..23819, 23915..24001,
23915..24001, 23916..24002, 23916..24041, 23963..24121,
23985..24035, 24001..24099, 24023..24124, 24155..24247,
24156..24251

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o5.tm	Method	TBLASTX:Maize
Start	27106	End	35958

GI	none	Score	72
Exons	27106..27189, 27117..27200, 27117..27197, 27323..27397, 27330..27392, 27808..27888, 27820..27888, 27828..27902, 28023..28076, 28074..28157, 28075..28161, 28075..28158, 28251..28358, 28255..28359, 28503..28601, 28509..28592, 28510..28593, 28523..28594, 29007..29081, 29008..29076, 32879..32986, 32880..32987, 32881..32988, 32892..32987, 33819..33884, 33822..33884, 33948..34061, 33959..34057, 35599..35700, 35601..35699, 35676..35816, 35770..35820, 35776..35820, 35923..35958, 35923..35958		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o4.ts	Method	TBLASTX:Soybean
Start	27114	End	34040
GI	none	Score	72
Exons	27114..27200, 27826..27894, 27828..27902, 27828..27893, 28073..28156, 28074..28157, 28081..28161, 28098..28157, 28240..28338, 28253..28339, 28254..28358, 28255..28359, 28509..28589, 28510..28590, 29007..29081, 29012..29077, 32873..32974, 32895..32987, 33822..33884, 33960..34040		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o9.gs	Method	GENSCAN
Start	35108	End	35324
GI	none	Score	.68
Exons	35108..35119, 35268..35324		

Seq. No.	36510	Seq. ID	OJ990818_08.9B12.C10
Gene No.	75076	Strand	-
Start	35108	End	36054
Name	OJ990818_08.9B12.C10.o1.tw	Method	TBLASTX:Wheat
Start	35616	End	36054
GI	none	Score	155
Exons	35616..35699, 35617..35700, 35619..35702, 35766..35840, 35776..35820, 35781..35834, 35923..36054, 35923..36051, 35925..36053		

Seq. No.	36511	Seq. ID	OJ990818_08.9B12.C12
Gene No.	75077	Strand	+
Start	198	End	341
Name	OJ990818_08.9B12.C12.o1.gs	Method	GENSCAN
Start	198	End	341
GI	none	Score	.97
Exons	198..341		

Seq. No.	36511	Seq. ID	OJ990818_08.9B12.C12
Gene No.	75078	Strand	-
Start	890	End	1660
Name	OJ990818_08.9B12.C12.o1.np	Method	AAT/NAP
Start	861	End	1660
GI	4680179	Score	951
Exons	861..1660		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36511	Seq. ID	OJ990818_08.9B12.C12
Gene No.	75078	Strand	-
Start	890	End	1660
Name	OJ990818_08.9B12.C12.o2.gs	Method	GENSCAN
Start	890	End	1609
GI	none	Score	1
Exons	890..1609		

Seq. No.	36511	Seq. ID	OJ990818_08.9B12.C12
Gene No.	75078	Strand	-
Start	890	End	1660
Name	OJ990818_08.9B12.C12.o2.tw	Method	TBLASTX:Wheat
Start	905	End	1238
GI	none	Score	104
Exons	905..1237, 926..1075, 969..1238		

Seq. No.	36511	Seq. ID	OJ990818_08.9B12.C12
Gene No.	75078	Strand	-
Start	890	End	1660
Name	OJ990818_08.9B12.C12.o2.tm	Method	TBLASTX:Maize
Start	920	End	1154
GI	none	Score	55
Exons	920..1150, 922..1005, 922..1152, 957..1154		

Seq. No.	36511	Seq. ID	OJ990818_08.9B12.C12
Gene No.	75078	Strand	-
Start	890	End	1660
Name	OJ990818_08.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	1157	End	1612
GI	none	Score	108
Exons	1157..1612, 1158..1304, 1262..1612		

Seq. No.	36511	Seq. ID	OJ990818_08.9B12.C12
Gene No.	75078	Strand	-
Start	890	End	1660
Name	OJ990818_08.9B12.C12.o1.tw	Method	TBLASTX:Wheat
Start	1238	End	1660
GI	none	Score	174
Exons	1238..1660, 1380..1658, 1523..1660		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75079	Strand	+
Start	4995	End	12154
Name	OJ990818_08.9B12.C13.o5.np	Method	AAT/NAP
Start	4995	End	11837
GI	5042454	Score	232
Exons	4995..5020, 7347..7613, 10933..11136, 11362..11537, 11784..11837		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75079	Strand	+
Start	4995	End	12154
Name	OJ990818_08.9B12.C13.o2.gs	Method	GENSCAN
Start	6290	End	12154
GI	none	Score	.4
Exons	6290..6446, 7527..7916, 9630..9719, 10250..10376, 11017..11094,		

11276..11348, 11448..11537, 11784..11978, 12068..12154

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75079	Strand	+
Start	4995	End	12154
Name	OJ990818_08.9B12.C13.o3.np	Method	AAT/NAP
Start	7178	End	9082
GI	6907086	Score	1755
Exons	7178..7953, 8011..8272, 8499..8546, 8670..8839, 8891..9082		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75080	Strand	+
Start	12815	End	14624
Name	OJ990818_08.9B12.C13.o3.gs	Method	GENSCAN
Start	12815	End	13408
GI	none	Score	.9
Exons	12815..13408		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75080	Strand	+
Start	12815	End	14624
Name	OJ990818_08.9B12.C13.o6.np	Method	AAT/NAP
Start	12896	End	14624
GI	3608146	Score	186
Exons	12896..13019, 13068..13354, 14595..14624		
GI Descrip.	(AC005314) unknown protein [Arabidopsis thaliana]		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75081	Strand	-
Start	1	End	3728
Name	OJ990818_08.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	3728
GI	4680179	Score	3536
Exons	1..2554, 2657..3728		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75082	Strand	-
Start	4203	End	4984
Name	OJ990818_08.9B12.C13.o2.np	Method	AAT/NAP
Start	4203	End	4984
GI	6002794	Score	1215
Exons	4203..4984		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75083	Strand	-
Start	5281	End	5774
Name	OJ990818_08.9B12.C13.o1.gp	Method	AAT/GAP
Start	5281	End	5774
GI	38782_1.R1084	Score	817
Exons	5281..5774		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13

Gene No.	75084	Strand	-
Start	9396	End	10148
Name	OJ990818_08.9B12.C13.o4.np	Method	AAT/NAP
Start	9396	End	10148
GI	4680183	Score	156
Exons	9396..9471, 10078..10148		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o3.tm	Method	TBLASTX:Maize
Start	9	End	299
GI	none	Score	230
Exons	9..299, 13..288		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o2.ts	Method	TBLASTX:Soybean
Start	99	End	354
GI	none	Score	67
Exons	99..227, 99..347, 100..354		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o1.tc	Method	TBLASTX:Cress
Start	123	End	440
GI	none	Score	101
Exons	123..266, 139..264, 267..440, 321..419		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o2.tw	Method	TBLASTX:Wheat
Start	147	End	671
GI	none	Score	266
Exons	147..671, 151..519		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o1.tm	Method	TBLASTX:Maize
Start	707	End	1067
GI	none	Score	234
Exons	707..1066, 714..1067, 715..1065		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o1.tw	Method	TBLASTX:Wheat
Start	714	End	1140
GI	none	Score	294
Exons	714..1139, 715..1140		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13

Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o4.ts	Method	TBLASTX:Soybean
Start	888	End	1133
GI	none	Score	213
Exons	888..1133		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o4.tm	Method	TBLASTX:Maize
Start	1074	End	1421
GI	none	Score	65
Exons	1074..1421, 1219..1353		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o4.tw	Method	TBLASTX:Wheat
Start	1146	End	1442
GI	none	Score	171
Exons	1146..1442, 1183..1398		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o1.ts	Method	TBLASTX:Soybean
Start	1155	End	1550
GI	none	Score	141
Exons	1155..1514, 1183..1398, 1206..1514, 1438..1533, 1518..1550, 1518..1550		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o2.tm	Method	TBLASTX:Maize
Start	1437	End	1904
GI	none	Score	93
Exons	1437..1904, 1656..1832, 1660..1833		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o3.tw	Method	TBLASTX:Wheat
Start	1491	End	1974
GI	none	Score	167
Exons	1491..1973, 1500..1946, 1519..1974		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o7.tm	Method	TBLASTX:Maize
Start	1905	End	2102
GI	none	Score	156
Exons	1905..2102, 1906..2052		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13

Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o5.tw	Method	TBLASTX:Wheat
Start	2115	End	2519
GI	none	Score	84
Exons	2115..2285, 2170..2289, 2298..2519, 2365..2475, 2466..2519		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o6.tm	Method	TBLASTX:Maize
Start	2202	End	2525
GI	none	Score	200
Exons	2202..2525		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o5.tm	Method	TBLASTX:Maize
Start	2835	End	3221
GI	none	Score	226
Exons	2835..3221		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o6.tw	Method	TBLASTX:Wheat
Start	3117	End	3494
GI	none	Score	166
Exons	3117..3221, 3291..3494		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o3.ts	Method	TBLASTX:Soybean
Start	13111	End	13336
GI	none	Score	226
Exons	13111..13308, 13112..13336		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o8.tm	Method	TBLASTX:Maize
Start	13123	End	13363
GI	none	Score	189
Exons	13123..13308, 13172..13363		

Seq. No.	36512	Seq. ID	OJ990818_08.9B12.C13
Gene No.	75085	Strand	-
Start	14117	End	18667
Name	OJ990818_08.9B12.C13.o4.gs	Method	GENSCAN
Start	14117	End	18667
GI	none	Score	.65
Exons	14117..14190, 14314..14452, 14561..14677, 14735..14804, 15946..16015, 16227..16389, 16509..16541, 16857..17510, 17737..17861, 18273..18554, 18601..18667		

Seq. No.	36513	Seq. ID	OJ990818_08.9B12.C14
Gene No.	75086	Strand	-
Start	228	End	343
Name	OJ990818_08.9B12.C14.o1.gs	Method	GENSCAN
Start	228	End	343
GI	none	Score	.57
Exons	228..343		

Seq. No.	36513	Seq. ID	OJ990818_08.9B12.C14
Gene No.	75087	Strand	-
Start	3756	End	4763
Name	OJ990818_08.9B12.C14.o2.gs	Method	GENSCAN
Start	3756	End	4679
GI	none	Score	.8
Exons	3756..3798, 4519..4679		

Seq. No.	36513	Seq. ID	OJ990818_08.9B12.C14
Gene No.	75087	Strand	-
Start	3756	End	4763
Name	OJ990818_08.9B12.C14.o1.gp	Method	AAT/GAP
Start	4122	End	4763
GI	16449_1.R1084	Score	1176
Exons	4122..4763		
GI Descrip.	'2894599/emb|CAA17133.1| 1.0e-43 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	36514	Seq. ID	OJ990818_08.9B12.C15
Gene No.	75088	Strand	-
Start	1	End	1664
Name	OJ990818_08.9B12.C15.o1.gp	Method	AAT/GAP
Start	1	End	1063
GI	16449_1.R1084	Score	952
Exons	1..81, 175..417, 884..1063		
GI Descrip.	'2894599/emb|CAA17133.1| 1.0e-43 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	36514	Seq. ID	OJ990818_08.9B12.C15
Gene No.	75088	Strand	-
Start	1	End	1664
Name	OJ990818_08.9B12.C15.o1.np	Method	AAT/NAP
Start	1	End	1664
GI	6714272	Score	233
Exons	1..81, 175..393, 1553..1664		
GI Descrip.	(AC017118) F6N18.8 [Arabidopsis thaliana]		

Seq. No.	36514	Seq. ID	OJ990818_08.9B12.C15
Gene No.	75089	Strand	-
Start	2835	End	3074
Name	OJ990818_08.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	1	End	364
GI	none	Score	68
Exons	1..87, 2..73, 172..198, 286..363, 287..364		

Seq. No.	36514	Seq. ID	OJ990818_08.9B12.C15
Gene No.	75089	Strand	-
Start	2835	End	3074
Name	OJ990818_08.9B12.C15.o1.tm	Method	TBLASTX:Maize

Start	1	End	946
GI	none	Score	89
Exons	1..84, 5..115, 175..198, 176..199, 268..378, 269..364, 861..944, 882..944, 883..945, 884..946		

Seq. No.	36514	Seq. ID	OJ990818_08.9B12.C15
Gene No.	75089	Strand	-
Start	2835	End	3074
Name	OJ990818_08.9B12.C15.o2.gs	Method	GENSCAN
Start	2835	End	3074
GI	none	Score	.97
Exons	2835..3074		

Seq. No.	36515	Seq. ID	OJ990818_08.9B12.C16
Gene No.	75090	Strand	+
Start	441	End	605
Name	OJ990818_08.9B12.C16.o1.gs	Method	GENSCAN
Start	441	End	605
GI	none	Score	.92
Exons	441..605		

Seq. No.	36516	Seq. ID	OJ990818_08.9B12.C17
Gene No.	75091	Strand	-
Start	145	End	286
Name	OJ990818_08.9B12.C17.o1.tm	Method	TBLASTX:Maize
Start	139	End	286
GI	none	Score	140
Exons	139..279, 145..270, 146..286, 146..286		

Seq. No.	36516	Seq. ID	OJ990818_08.9B12.C17
Gene No.	75091	Strand	-
Start	145	End	286
Name	OJ990818_08.9B12.C17.o1.gs	Method	GENSCAN
Start	145	End	267
GI	none	Score	.61
Exons	145..267		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75092	Strand	+
Start	156	End	10361
Name	OJ990908_05.9B22.C3.o1.gs	Method	GENSCAN
Start	156	End	10361
GI	none	Score	.58
Exons	156..1190, 1214..1810, 2255..2435, 2664..4715, 4944..5093, 5630..5859, 5899..6126, 6679..7071, 7700..7781, 8743..8823, 9894..9970, 10239..10361		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75092	Strand	+
Start	156	End	10361
Name	OJ990908_05.9B22.C3.o1.np	Method	AAT/NAP
Start	1745	End	6234
GI	6623973	Score	2606
Exons	1745..1801, 2255..6234		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75092	Strand	+
Start	156	End	10361
Name	OJ990908_05.9B22.C3.o2.np	Method	AAT/NAP
Start	4781	End	8317
GI	2864613	Score	296
Exons	4781..4869, 6624..7182, 8240..8317		
GI Descrip.	(AL021811) S-receptor kinase -like protein [Arabidopsis thaliana] gi|4049333|emb|CAA22558.1| (AL034567) S-receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75093	Strand	+
Start	15446	End	16072
Name	OJ990908_05.9B22.C3.o2.gs	Method	GENSCAN
Start	15446	End	16072
GI	none	Score	1
Exons	15446..16072		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o1.tc	Method	TBLASTX:Cress
Start	291	End	7164
GI	none	Score	40
Exons	291..317, 303..407, 417..551, 567..689, 906..956, 1032..1109, 1274..1330, 1631..1759, 1736..1816, 1825..1887, 6625..6858, 6699..6845, 6862..6933, 7084..7164		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o9.tw	Method	TBLASTX:Wheat
Start	1797	End	6864
GI	none	Score	93
Exons	1797..1820, 1809..1877, 1819..1887, 6612..6824, 6625..6846, 6628..6864, 6684..6863		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o6.ts	Method	TBLASTX:Soybean
Start	1840	End	6933
GI	none	Score	69
Exons	1840..1923, 6625..6846, 6699..6845, 6873..6914, 6874..6933		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o14.tw	Method	TBLASTX:Wheat
Start	2611	End	2981
GI	none	Score	117
Exons	2611..2757, 2612..2758, 2628..2759, 2744..2854, 2786..2842, 2843..2914, 2940..2981		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-

Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o8.tm	Method	TBLASTX:Maize
Start	3692	End	4174
GI	none	Score	326
Exons	3692..4174, 3826..4128		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o8.tw	Method	TBLASTX:Wheat
Start	3700	End	4366
GI	none	Score	329
Exons	3700..4077, 3701..4153, 4185..4244, 4186..4245, 4262..4366		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o3.ts	Method	TBLASTX:Soybean
Start	3935	End	4399
GI	none	Score	258
Exons	3935..4264, 3943..4074, 4093..4263, 4250..4399		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o2.tc	Method	TBLASTX:Cress
Start	3968	End	4510
GI	none	Score	149
Exons	3968..4246, 4262..4510		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o10.tw	Method	TBLASTX:Wheat
Start	4600	End	4870
GI	none	Score	313
Exons	4600..4869, 4601..4870		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o7.tm	Method	TBLASTX:Maize
Start	4867	End	5296
GI	none	Score	333
Exons	4867..5163, 4868..5296		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o4.tw	Method	TBLASTX:Wheat
Start	4871	End	5649
GI	none	Score	332
Exons	4871..5200, 4873..5184, 5195..5455, 5455..5649		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644

Name	OJ990908_05.9B22.C3.o2.ts	Method	TBLASTX:Soybean
Start	4892	End	5281
GI	none	Score	396
Exons	4892..5281, 4894..5184, 5016..5240		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o5.tm	Method	TBLASTX:Maize
Start	5303	End	5752
GI	none	Score	115
Exons	5303..5452, 5311..5391, 5446..5724, 5455..5739, 5487..5729, 5501..5752		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o3.tc	Method	TBLASTX:Cress
Start	5623	End	6225
GI	none	Score	64
Exons	5623..5751, 5746..5850, 5860..5997, 6013..6225		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o13.tw	Method	TBLASTX:Wheat
Start	5745	End	6198
GI	none	Score	122
Exons	5745..5966, 5779..5979, 5830..5982, 5998..6198, 6009..6197		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o2.tm	Method	TBLASTX:Maize
Start	5803	End	6225
GI	none	Score	495
Exons	5803..6225, 5820..6221		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o5.ts	Method	TBLASTX:Soybean
Start	5824	End	6222
GI	none	Score	248
Exons	5824..6099, 5826..6086, 5833..6096, 6109..6222, 6117..6215		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o10.tm	Method	TBLASTX:Maize
Start	6625	End	6933
GI	none	Score	227
Exons	6625..6858, 6634..6846, 6699..6857, 6861..6911, 6862..6933		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644

Name	OJ990908_05.9B22.C3.o3.gs	Method	GENSCAN
Start	16928	End	22644
GI	none	Score	.4
Exons	16928..21479, 21879..22038, 22071..22644		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o3.np	Method	AAT/NAP
Start	16931	End	21493
GI	4680179	Score	7893
Exons	16931..21493		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o7.tw	Method	TBLASTX:Wheat
Start	16941	End	17308
GI	none	Score	35
Exons	16941..16994, 16976..17308, 17100..17216, 17201..17281		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o12.tm	Method	TBLASTX:Maize
Start	16955	End	17152
GI	none	Score	197
Exons	16955..17152		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o1.tm	Method	TBLASTX:Maize
Start	17156	End	17755
GI	none	Score	261
Exons	17156..17596, 17169..17594, 17594..17755, 17601..17747		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o1.tw	Method	TBLASTX:Wheat
Start	17309	End	17935
GI	none	Score	347
Exons	17309..17935, 17310..17933		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o6.tm	Method	TBLASTX:Maize
Start	17804	End	18094
GI	none	Score	251
Exons	17804..18094, 17808..18080		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644

Name	OJ990908_05.9B22.C3.o4.ts	Method	TBLASTX:Soybean
Start	17894	End	18154
GI	none	Score	149
Exons	17894..18154, 17895..18149, 17990..18151		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o4.tc	Method	TBLASTX:Cress
Start	17918	End	18235
GI	none	Score	90
Exons	17918..18061, 17919..18059, 18062..18235		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o3.tw	Method	TBLASTX:Wheat
Start	17942	End	18421
GI	none	Score	307
Exons	17942..18421, 17943..18350, 17975..18388		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o2.tw	Method	TBLASTX:Wheat
Start	18425	End	18935
GI	none	Score	245
Exons	18425..18934, 18509..18856, 18591..18902, 18750..18935		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o3.tm	Method	TBLASTX:Maize
Start	18497	End	18862
GI	none	Score	149
Exons	18497..18808, 18509..18862, 18594..18860		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o7.ts	Method	TBLASTX:Soybean
Start	18683	End	18928
GI	none	Score	204
Exons	18683..18928		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o4.tm	Method	TBLASTX:Maize
Start	18899	End	19399
GI	none	Score	100
Exons	18899..19234, 19014..19148, 19220..19399		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o6.tw	Method	TBLASTX:Wheat

Start	18936	End	19237
GI	none	Score	237
Exons	18936..19217, 18941..19237		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o1.ts	Method	TBLASTX:Soybean
Start	18950	End	19345
GI	none	Score	172
Exons	18950..19309, 18951..19214, 19229..19309, 19301..19345, 19313..19345		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o5.tw	Method	TBLASTX:Wheat
Start	19286	End	19768
GI	none	Score	155
Exons	19286..19768, 19295..19639, 19329..19664		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o9.tm	Method	TBLASTX:Maize
Start	19467	End	19756
GI	none	Score	165
Exons	19467..19658, 19469..19756		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o12.tw	Method	TBLASTX:Wheat
Start	19925	End	20347
GI	none	Score	110
Exons	19925..20116, 19932..20087, 19998..20138, 20138..20347, 20199..20297		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o13.tm	Method	TBLASTX:Maize
Start	20030	End	20350
GI	none	Score	68
Exons	20030..20350, 20205..20297		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o11.tm	Method	TBLASTX:Maize
Start	20690	End	20986
GI	none	Score	102
Exons	20690..20986, 20702..20986, 20799..20969		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644

Name	OJ990908_05.9B22.C3.o11.tw	Method	TBLASTX:Wheat
Start	20867	End	21226
GI	none	Score	147
Exons	20867..21226, 20868..21200		

Seq. No.	36517	Seq. ID	OJ990908_05.9B22.C3
Gene No.	75094	Strand	-
Start	16928	End	22644
Name	OJ990908_05.9B22.C3.o4.np	Method	AAT/NAP
Start	21748	End	22578
GI	5042448	Score	1149
Exons	21748..22578		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75095	Strand	+
Start	8412	End	15091
Name	OJ990908_05.9B22.C4.o4.np	Method	AAT/NAP
Start	8211	End	15091
GI	5852180	Score	488
Exons	8211..8260, 12697..12753, 13737..13862, 13914..14320, 15025..15091		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75095	Strand	+
Start	8412	End	15091
Name	OJ990908_05.9B22.C4.o3.np	Method	AAT/NAP
Start	8288	End	10075
GI	6907086	Score	1197
Exons	8288..9052, 9113..9343, 9566..9849, 9947..10075		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75095	Strand	+
Start	8412	End	15091
Name	OJ990908_05.9B22.C4.o2.gs	Method	GENSCAN
Start	8412	End	9024
GI	none	Score	.9
Exons	8412..8489, 8578..9024		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75096	Strand	+
Start	15264	End	15709
Name	OJ990908_05.9B22.C4.o2.gp	Method	AAT/GAP
Start	15264	End	15709
GI	44649_1.R1084	Score	590
Exons	15264..15709		
GI Descrip.	'3420239 5.0e-72 (AF059484) actin [Gossypium hirsutum]'		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75097	Strand	+
Start	16624	End	21818
Name	OJ990908_05.9B22.C4.o3.gp	Method	AAT/GAP
Start	16624	End	18289
GI	428863	Score	514

Exons	16624..16756, 18050..18125, 18212..18289		
GI Descrip.	113217/sp|P23343|ACT1_DAUCA 4.0e-21 ACTIN 1 >gi_100149_pir__S07002 actin 1 - carrot		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75097	Strand	+
Start	16624	End	21818
Name	OJ990908_05.9B22.C4.o4.gs	Method	GENSCAN
Start	18066	End	21818
GI	none	Score	.79
Exons	18066..18125, 18212..18605, 18823..19436, 20736..21005, 21226..21297, 21714..21818		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75097	Strand	+
Start	16624	End	21818
Name	OJ990908_05.9B22.C4.o5.np	Method	AAT/NAP
Start	18066	End	19656
GI	231503	Score	1826
Exons	18066..18125, 18212..18605, 18823..19436, 19594..19656		
GI Descrip.	ACTIN 97 gi|100417|pir||S20098 actin - potato gi|21544|emb|CAA39280| (X55751) actin [Solanum tuberosum]		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75097	Strand	+
Start	16624	End	21818
Name	OJ990908_05.9B22.C4.o4.gp	Method	AAT/GAP
Start	19030	End	19868
GI	3767527	Score	1226
Exons	19030..19436, 19594..19868		
GI Descrip.	3420239 5.0e-72 (AF059484) actin [Gossypium hirsutum]		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75097	Strand	+
Start	16624	End	21818
Name	OJ990908_05.9B22.C4.o5.gp	Method	AAT/GAP
Start	20737	End	21316
GI	LIB3479-006-Q6-K1-A9	Score	895
Exons	20737..21120, 21200..21316		
GI Descrip.	'4097561 7.0e-29 (U64918) ATGP1 [Arabidopsis thaliana]'		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75097	Strand	+
Start	16624	End	21818
Name	OJ990908_05.9B22.C4.o6.np	Method	AAT/NAP
Start	20883	End	21818
GI	4097579	Score	369
Exons	20883..20935, 20981..21120, 21200..21297, 21714..21818		
GI Descrip.	(U64922) NTGP1 [Nicotiana tabacum]		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75098	Strand	+
Start	21945	End	22458
Name	OJ990908_05.9B22.C4.o6.gp	Method	AAT/GAP
Start	21945	End	22458
GI	none	Score	1003
Exons	21945..22458		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75099	Strand	-
Start	215	End	4791
Name	OJ990908_05.9B22.C4.o1.np	Method	AAT/NAP
Start	215	End	4791
GI	4680179	Score	4588
Exons	215..3632, 3735..4791		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75100	Strand	-
Start	5282	End	6063
Name	OJ990908_05.9B22.C4.o2.np	Method	AAT/NAP
Start	5282	End	6063
GI	6002794	Score	1244
Exons	5282..6063		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o8.tw	Method	TBLASTX:Wheat
Start	259	End	591
GI	none	Score	142
Exons	259..591, 280..549		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o10.tm	Method	TBLASTX:Maize
Start	274	End	432
GI	none	Score	192
Exons	274..432		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o2.tm	Method	TBLASTX:Maize
Start	442	End	1035
GI	none	Score	103
Exons	442..759, 442..879, 689..880, 737..880, 877..1035, 884..1030		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o2.tw	Method	TBLASTX:Wheat
Start	592	End	1218
GI	none	Score	257
Exons	592..1218, 716..1123		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o5.tm	Method	TBLASTX:Maize
Start	1087	End	1379
GI	none	Score	53

Exons	1087..1377, 1091..1135, 1187..1366, 1245..1379		
Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o3.ts	Method	TBLASTX:Soybean
Start	1177	End	1432
GI	none	Score	71
Exons	1177..1305, 1177..1425, 1187..1432		
Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o3.tc	Method	TBLASTX:Cress
Start	1201	End	1518
GI	none	Score	101
Exons	1201..1344, 1217..1342, 1345..1518, 1399..1497		
Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o4.tw	Method	TBLASTX:Wheat
Start	1225	End	1749
GI	none	Score	268
Exons	1225..1749, 1229..1597		
Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o3.tm	Method	TBLASTX:Maize
Start	1792	End	2145
GI	none	Score	78
Exons	1792..2145, 1797..2069, 1844..2143		
Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o3.tw	Method	TBLASTX:Wheat
Start	1792	End	2218
GI	none	Score	130
Exons	1792..2217, 1794..2156, 1807..2160, 1829..2218		
Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o5.ts	Method	TBLASTX:Soybean
Start	1966	End	2211
GI	none	Score	210
Exons	1966..2211		
Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o4.tm	Method	TBLASTX:Maize
Start	2182	End	2682
GI	none	Score	63
Exons	2182..2517, 2192..2356, 2503..2682		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o9.tw	Method	TBLASTX:Wheat
Start	2224	End	2520
GI	none	Score	174
Exons	2224..2520, 2261..2476		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o2.ts	Method	TBLASTX:Soybean
Start	2233	End	2628
GI	none	Score	141
Exons	2233..2592, 2261..2476, 2284..2592, 2596..2628, 2596..2628		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o5.tw	Method	TBLASTX:Wheat
Start	2569	End	3052
GI	none	Score	164
Exons	2569..3051, 2578..3024, 2597..3052		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o6.tm	Method	TBLASTX:Maize
Start	2752	End	3040
GI	none	Score	92
Exons	2752..3030, 2752..3039, 2753..3040		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o11.tw	Method	TBLASTX:Wheat
Start	3199	End	3598
GI	none	Score	84
Exons	3199..3363, 3248..3367, 3376..3597, 3443..3598		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o9.tm	Method	TBLASTX:Maize
Start	3278	End	3604
GI	none	Score	44
Exons	3278..3361, 3280..3603, 3463..3597, 3491..3604		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o8.tm	Method	TBLASTX:Maize
Start	3913	End	4314
GI	none	Score	237
Exons	3913..4314		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o12.tw	Method	TBLASTX:Wheat
Start	4195	End	4572
GI	none	Score	60
Exons	4195..4572, 4454..4555		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o3.gs	Method	GENSCAN
Start	11096	End	15561
GI	none	Score	.6
Exons	11096..11110, 11169..11387, 11496..11624, 14066..14312, 14559..14739, 15318..15561		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75101	Strand	-
Start	11096	End	15561
Name	OJ990908_05.9B22.C4.o1.gp	Method	AAT/GAP
Start	12602	End	12983
GI	uC-osflcyp033a04b1	Score	663
Exons	12602..12983		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75102	Strand	
Start	18050	End	19675
Name	OJ990908_05.9B22.C4.o1.ts	Method	TBLASTX:Soybean
Start	18050	End	19662
GI	none	Score	104
Exons	18050..18121, 18060..18125, 18067..18126, 18202..18504, 18202..18510, 18203..18511, 18203..18511, 18484..18588, 18493..18591, 18494..18592, 18522..18593, 18808..19314, 18816..19439, 18818..18877, 18941..19435, 19584..19661, 19587..19661, 19588..19662		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75102	Strand	
Start	18050	End	19675
Name	OJ990908_05.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	18062	End	19675
GI	none	Score	113
Exons	18062..18124, 18063..18125, 18064..18126, 18065..18127, 18201..18593, 18202..18639, 18203..18610, 18816..19439, 18818..18880, 18823..19431, 18941..19435, 19053..19439, 19587..19655, 19588..19659, 19589..19675		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75102	Strand	
Start	18050	End	19675
Name	OJ990908_05.9B22.C4.o1.tc	Method	TBLASTX:Cress
Start	18066	End	19659
GI	none	Score	108
Exons	18066..18125, 18067..18126, 18077..18127, 18202..18234,		

18202..18609, 18203..18610, 18816..19439, 18818..18880,
18822..19007, 18941..19435, 19062..19439, 19587..19655,
19588..19659

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75102	Strand	
Start	18050	End	19675
Name	OJ990908_05.9B22.C4.o1.tw	Method	TBLASTX:Wheat
Start	18199	End	18610
GI	none	Score	694
Exons	18199..18609, 18203..18610		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75102	Strand	
Start	18050	End	19675
Name	OJ990908_05.9B22.C4.o7.tw	Method	TBLASTX:Wheat
Start	18816	End	19109
GI	none	Score	478
Exons	18816..19109, 18818..18880, 18820..19104, 18941..19108		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75102	Strand	
Start	18050	End	19675
Name	OJ990908_05.9B22.C4.o6.tw	Method	TBLASTX:Wheat
Start	19110	End	19659
GI	none	Score	526
Exons	19110..19439, 19112..19435, 19122..19439, 19130..19474, 19587..19655, 19588..19659, 19591..19656		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75103	Strand	
Start	20717	End	21827
Name	OJ990908_05.9B22.C4.o2.tc	Method	TBLASTX:Cress
Start	20717	End	21818
GI	none	Score	47
Exons	20717..20779, 20841..20912, 20879..20911, 20975..21118, 20994..21119, 21175..21321, 21195..21299, 21711..21818, 21713..21805		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75103	Strand	
Start	20717	End	21827
Name	OJ990908_05.9B22.C4.o7.tm	Method	TBLASTX:Maize
Start	20795	End	21827
GI	none	Score	44
Exons	20795..20812, 20883..20912, 20883..20909, 20975..21118, 20994..21119, 21175..21312, 21195..21299, 21711..21818, 21711..21827		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75103	Strand	
Start	20717	End	21827
Name	OJ990908_05.9B22.C4.o10.tw	Method	TBLASTX:Wheat
Start	20879	End	21312
GI	none	Score	44
Exons	20879..20911, 20879..20908, 20975..21118, 20994..21119, 21175..21312, 21195..21299		

Seq. No.	36518	Seq. ID	OJ990908_05.9B22.C4
Gene No.	75103	Strand	
Start	20717	End	21827
Name	OJ990908_05.9B22.C4.o4.ts	Method	TBLASTX:Soybean
Start	20883	End	21820
GI	none	Score	44
Exons	20883..20912, 20883..20912, 20975..21118, 20994..21119, 21166..21312, 21195..21302, 21711..21818, 21713..21820		

Seq. No.	36519	Seq. ID	OJ990908_05.9B22.C5
Gene No.	75104	Strand	+
Start	174	End	1314
Name	OJ990908_05.9B22.C5.o1.gs	Method	GENSCAN
Start	174	End	1314
GI	none	Score	.77
Exons	174..239, 759..845, 1264..1314		

Seq. No.	36519	Seq. ID	OJ990908_05.9B22.C5
Gene No.	75104	Strand	+
Start	174	End	1314
Name	OJ990908_05.9B22.C5.o1.np	Method	AAT/NAP
Start	174	End	1311
GI	4097561	Score	226
Exons	174..239, 759..845, 1264..1311		
GI Descrip.	(U64918) ATGP1 [Arabidopsis thaliana]		

Seq. No.	36520	Seq. ID	OJ990908_05.9B22.C6
Gene No.	75105	Strand	-
Start	1369	End	1484
Name	OJ990908_05.9B22.C6.o1.gs	Method	GENSCAN
Start	1369	End	1484
GI	none	Score	.94
Exons	1369..1484		

Seq. No.	36521	Seq. ID	OJ990908_05.9B22.C7
Gene No.	75106	Strand	-
Start	695	End	2546
Name	OJ990908_05.9B22.C7.o1.np	Method	AAT/NAP
Start	533	End	2546
GI	3738309	Score	116
Exons	533..552, 1785..1981, 2473..2546		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	36521	Seq. ID	OJ990908_05.9B22.C7
Gene No.	75106	Strand	-
Start	695	End	2546
Name	OJ990908_05.9B22.C7.o2.gs	Method	GENSCAN
Start	695	End	2484
GI	none	Score	.92
Exons	695..724, 1785..1937, 2182..2484		

Seq. No.	36521	Seq. ID	OJ990908_05.9B22.C7
Gene No.	75106	Strand	-
Start	695	End	2546
Name	OJ990908_05.9B22.C7.o1.ts	Method	TBLASTX:Soybean
Start	1772	End	1958

GI	none	Score	150
Exons	1772..1915, 1785..1958, 1789..1953		

Seq. No.	36521	Seq. ID	OJ990908_05.9B22.C7
Gene No.	75106	Strand	-
Start	695	End	2546
Name	OJ990908_05.9B22.C7.o1.gp	Method	AAT/GAP
Start	1784	End	1948
GI	15861_1.R1084	Score	265
Exons	1784..1948		
GI Descrip.	'3738309 2.0e-72 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36521	Seq. ID	OJ990908_05.9B22.C7
Gene No.	75106	Strand	-
Start	695	End	2546
Name	OJ990908_05.9B22.C7.o1.tm	Method	TBLASTX:Maize
Start	1785	End	1958
GI	none	Score	195
Exons	1785..1958, 1792..1953		

Seq. No.	36521	Seq. ID	OJ990908_05.9B22.C7
Gene No.	75106	Strand	-
Start	695	End	2546
Name	OJ990908_05.9B22.C7.o1.tw	Method	TBLASTX:Wheat
Start	1787	End	1958
GI	none	Score	54
Exons	1787..1939, 1788..1829, 1788..1958, 1789..1953		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75107	Strand	+
Start	369	End	821
Name	OJ990908_05.9B22.C8.o1.gs	Method	GENSCAN
Start	369	End	821
GI	none	Score	.88
Exons	369..500, 657..821		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75108	Strand	+
Start	6704	End	10708
Name	OJ990908_05.9B22.C8.o3.gs	Method	GENSCAN
Start	6704	End	10708
GI	none	Score	.7
Exons	6704..6712, 6761..6884, 7345..7488, 7566..7710, 7792..7979, 7996..8095, 10534..10708		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75109	Strand	+
Start	16036	End	16488
Name	OJ990908_05.9B22.C8.o3.gp	Method	AAT/GAP
Start	16036	End	16488
GI	LIB3432-059-P1-K1-D8	Score	706
Exons	16036..16488		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8

Gene No.	75110	Strand	+
Start	21743	End	24490
Name	OJ990908_05.9B22.C8.o3.np	Method	AAT/NAP
Start	21743	End	24160
GI	6560768	Score	438
Exons	21743..21818, 22680..22819, 22941..23182, 23476..23553, 23810..23900, 24065..24160		
GI Descrip.	(AC010155) F3M18.7 [Arabidopsis thaliana]		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75110	Strand	+
Start	21743	End	24490
Name	OJ990908_05.9B22.C8.o8.gs	Method	GENSCAN
Start	23258	End	24490
GI	none	Score	.53
Exons	23258..23553, 23810..23900, 24065..24130, 24380..24490		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75111	Strand	-
Start	1263	End	5470
Name	OJ990908_05.9B22.C8.o2.gs	Method	GENSCAN
Start	1263	End	5470
GI	none	Score	.88
Exons	1263..1628, 2088..2245, 3127..3280, 4230..4358, 5300..5470		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75112	Strand	-
Start	10685	End	12002
Name	OJ990908_05.9B22.C8.o1.gp	Method	AAT/GAP
Start	10685	End	12002
GI	4604_1.R1084	Score	1658
Exons	10685..11117, 11558..12002		
GI Descrip.	'2773154 3.0e-10 (AF039573) abscisic acid- and stress-inducible protein [Oryza sativa]'		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75112	Strand	-
Start	10685	End	12002
Name	OJ990908_05.9B22.C8.o4.gs	Method	GENSCAN
Start	10914	End	11902
GI	none	Score	.93
Exons	10914..11168, 11558..11902		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75112	Strand	-
Start	10685	End	12002
Name	OJ990908_05.9B22.C8.o1.np	Method	AAT/NAP
Start	10935	End	11794
GI	2773154	Score	212
Exons	10935..11117, 11558..11794		
GI Descrip.	(AF039573) abscisic acid- and stress-inducible protein [Oryza sativa]		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75113	Strand	-
Start	15968	End	16032
Name	OJ990908_05.9B22.C8.o2.gp	Method	AAT/GAP

Start	15968	End	16032
GI	LIB3477-003-P1-K1-E9	Score	83
Exons	15968..16032		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75114	Strand	-
Start	16673	End	21877
Name	OJ990908_05.9B22.C8.o7.gs	Method	GENSCAN
Start	16673	End	21877
GI	none	Score	.87
Exons	16673..16780, 19649..19826, 20420..20508, 21218..21877		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75114	Strand	-
Start	16673	End	21877
Name	OJ990908_05.9B22.C8.o2.np	Method	AAT/NAP
Start	19468	End	21448
GI	6143893	Score	367
Exons	19468..19530, 19649..19826, 20420..20508, 21332..21448		
GI Descrip.	(AC010718) thioredoxin-like protein [Arabidopsis thaliana]		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o2.tm	Method	TBLASTX:Maize
Start	19452	End	19798
GI	none	Score	84
Exons	19452..19529, 19453..19530, 19454..19531, 19647..19796, 19649..19798, 19649..19798		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o2.tc	Method	TBLASTX:Cress
Start	19465	End	20496
GI	none	Score	162
Exons	19465..19530, 19647..19826, 19649..19825, 19663..19860, 20419..20496		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o2.ts	Method	TBLASTX:Soybean
Start	19465	End	20510
GI	none	Score	143
Exons	19465..19530, 19647..19826, 19649..19849, 19649..19825, 20418..20510, 20419..20508		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o3.tm	Method	TBLASTX:Maize
Start	21553	End	23077
GI	none	Score	36

Exons	21553..21627, 21736..21795, 21740..21799, 21747..21794, 22684..22800, 22684..22800, 22685..22801, 22688..22801, 22953..23072, 22953..23072, 22954..23076, 22958..23077		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o9.gs	Method	GENSCAN
Start	25078	End	25701
GI	none	Score	.9
Exons	25078..25701		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o4.np	Method	AAT/NAP
Start	25135	End	25701
GI	2624498	Score	652
Exons	25135..25701		
GI Descrip.	Crystal Structure Of Barley Grain Peroxidase 1		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o1.tc	Method	TBLASTX:Cress
Start	25147	End	25714
GI	none	Score	165
Exons	25147..25545, 25148..25390, 25415..25546, 25624..25701, 25646..25714		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o1.ts	Method	TBLASTX:Soybean
Start	25273	End	25702
GI	none	Score	161
Exons	25273..25545, 25274..25546, 25435..25566, 25627..25701, 25628..25702		

Seq. No.	36522	Seq. ID	OJ990908_05.9B22.C8
Gene No.	75115	Strand	-
Start	25078	End	25714
Name	OJ990908_05.9B22.C8.o1.tm	Method	TBLASTX:Maize
Start	25285	End	25699
GI	none	Score	118
Exons	25285..25398, 25286..25399, 25408..25545, 25409..25546, 25456..25572, 25624..25698, 25631..25699		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75116	Strand	+
Start	2540	End	2866
Name	OJ990908_05.9B22.C9.o2.gs	Method	GENSCAN
Start	2540	End	2866
GI	none	Score	1
Exons	2540..2866		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9

Gene No.	75117	Strand	-
Start	1	End	482
Name	OJ990908_05.9B22.C9.o1.np	Method	AAT/NAP
Start	1	End	473
GI	82410	Score	532
Exons	1..473		
GI Descrip.	peroxidase (EC 1.11.1.7) BP1 precursor - barley gi|167081 (M73234) peroxidase BP 1 [Hordeum vulgare]		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75117	Strand	-
Start	1	End	482
Name	OJ990908_05.9B22.C9.o1.gs	Method	GENSCAN
Start	30	End	482
GI	none	Score	.6
Exons	30..482		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75118	Strand	-
Start	3689	End	4351
Name	OJ990908_05.9B22.C9.o2.tm	Method	TBLASTX:Maize
Start	28	End	335
GI	none	Score	258
Exons	28..324, 84..335, 264..335		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75118	Strand	-
Start	3689	End	4351
Name	OJ990908_05.9B22.C9.o1.tc	Method	TBLASTX:Cress
Start	33	End	4351
GI	none	Score	209
Exons	33..83, 73..381, 81..392, 3764..4351, 3774..4346		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75118	Strand	-
Start	3689	End	4351
Name	OJ990908_05.9B22.C9.o1.tm	Method	TBLASTX:Maize
Start	36	End	4351
GI	none	Score	124
Exons	36..83, 3902..4021, 3903..4019, 4019..4351, 4020..4343		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75118	Strand	-
Start	3689	End	4351
Name	OJ990908_05.9B22.C9.o1.ts	Method	TBLASTX:Soybean
Start	36	End	4346
GI	none	Score	236
Exons	36..83, 73..384, 81..386, 3887..4345, 3888..4346		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75118	Strand	-
Start	3689	End	4351
Name	OJ990908_05.9B22.C9.o1.tw	Method	TBLASTX:Wheat
Start	36	End	365
GI	none	Score	110
Exons	36..80, 124..336, 150..365		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75118	Strand	-
Start	3689	End	4351
Name	OJ990908_05.9B22.C9.o3.gs	Method	GENSCAN
Start	3689	End	4268
GI	none	Score	.82
Exons	3689..4268		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75118	Strand	-
Start	3689	End	4351
Name	OJ990908_05.9B22.C9.o3.tm	Method	TBLASTX:Maize
Start	3693	End	3901
GI	none	Score	41
Exons	3693..3737, 3726..3899, 3728..3901		

Seq. No.	36523	Seq. ID	OJ990908_05.9B22.C9
Gene No.	75118	Strand	-
Start	3689	End	4351
Name	OJ990908_05.9B22.C9.o2.np	Method	AAT/NAP
Start	3698	End	4351
GI	478409	Score	627
Exons	3698..4351		
GI Descrip.	peroxidase (EC 1.11.1.7), cationic - adzuki bean gi|218328|dbj|BAA01950.1| (D11337) peroxidase [Vigna angularis]		

Seq. No.	36524	Seq. ID	OJ990908_05.9B22.C10
Gene No.	75119	Strand	-
Start	1	End	258
Name	OJ990908_05.9B22.C10.o1.np	Method	AAT/NAP
Start	1	End	258
GI	82410	Score	212
Exons	1..258		
GI Descrip.	peroxidase (EC 1.11.1.7) BP1 precursor - barley gi|167081 (M73234) peroxidase BP 1 [Hordeum vulgare]		

Seq. No.	36524	Seq. ID	OJ990908_05.9B22.C10
Gene No.	75119	Strand	-
Start	1	End	258
Name	OJ990908_05.9B22.C10.o1.gs	Method	GENSCAN
Start	16	End	252
GI	none	Score	.65
Exons	16..184, 193..252		

Seq. No.	36524	Seq. ID	OJ990908_05.9B22.C10
Gene No.	75120	Strand	-
Start	871	End	2032
Name	OJ990908_05.9B22.C10.o1.ts	Method	TBLASTX:Soybean
Start	1	End	169
GI	none	Score	92
Exons	1..165, 2..169		

Seq. No.	36524	Seq. ID	OJ990908_05.9B22.C10
Gene No.	75120	Strand	-
Start	871	End	2032
Name	OJ990908_05.9B22.C10.o2.gs	Method	GENSCAN
Start	871	End	2032

GI	none	Score	.59
Exons	871..1003, 1220..1384, 1894..2032		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75121	Strand	+
Start	4500	End	4853
Name	OJ990908_05.9B22.C11.o2.gs	Method	GENSCAN
Start	4500	End	4853
GI	none	Score	.99
Exons	4500..4853		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75122	Strand	+
Start	11496	End	11653
Name	OJ990908_05.9B22.C11.o4.gp	Method	AAT/GAP
Start	11427	End	11653
GI	3761126	Score	199
Exons	11427..11498, 11605..11653		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75122	Strand	+
Start	11496	End	11653
Name	OJ990908_05.9B22.C11.o4.gs	Method	GENSCAN
Start	11496	End	11653
GI	none	Score	.96
Exons	11496..11498, 11605..11653		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75123	Strand	-
Start	679	End	3211
Name	OJ990908_05.9B22.C11.o1.np	Method	AAT/NAP
Start	679	End	2173
GI	478409	Score	868
Exons	679..736, 950..1707, 1915..2173		
GI Descrip.	peroxidase (EC 1.11.1.7), cationic - adzuki bean gi|218328|dbj|BAA01950.1| (D11337) peroxidase [Vigna angularis]		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75123	Strand	-
Start	679	End	3211
Name	OJ990908_05.9B22.C11.o1.gs	Method	GENSCAN
Start	934	End	3211
GI	none	Score	.81
Exons	934..1707, 1921..2113, 3093..3211		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75124	Strand	-
Start	3951	End	9245
Name	OJ990908_05.9B22.C11.o2.np	Method	AAT/NAP
Start	3951	End	8622
GI	6069646	Score	329
Exons	3951..4237, 8598..8622		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75124	Strand	-
Start	3951	End	9245
Name	OJ990908_05.9B22.C11.o1.gp	Method	AAT/GAP
Start	6202	End	7026
GI	16611_1.R1084	Score	1580
Exons	6202..7026		
GI Descrip.	'1402914/emb|CAA66962| 3.0e-09 (X98318) peroxidase [Arabidopsis thaliana]'		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75124	Strand	-
Start	3951	End	9245
Name	OJ990908_05.9B22.C11.o3.gs	Method	GENSCAN
Start	6386	End	9132
GI	none	Score	.65
Exons	6386..7027, 8677..9132		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75124	Strand	-
Start	3951	End	9245
Name	OJ990908_05.9B22.C11.o3.np	Method	AAT/NAP
Start	6389	End	9120
GI	82410	Score	963
Exons	6389..7027, 8677..9120		
GI Descrip.	peroxidase (EC 1.11.1.7) BP1 precursor - barley gi|167081 (M73234) peroxidase BP 1 [Hordeum vulgare]		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75124	Strand	-
Start	3951	End	9245
Name	OJ990908_05.9B22.C11.o2.gp	Method	AAT/GAP
Start	8731	End	9245
GI	26491_1.R1084	Score	1011
Exons	8731..9245		
GI Descrip.	'82410/pir||S22505 8.0e-33 peroxidase (EC 1.11.1.7) BP1 precursor - barley >gi_167081 (M73234) peroxidase BP 1 [Hordeum vulgare]'		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75125	Strand	-
Start	9914	End	9974
Name	OJ990908_05.9B22.C11.o3.tm	Method	TBLASTX:Maize
Start	940	End	6610
GI	none	Score	83
Exons	940..1092, 950..1084, 6303..6341, 6443..6610, 6444..6608		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75125	Strand	-
Start	9914	End	9974
Name	OJ990908_05.9B22.C11.o1.tc	Method	TBLASTX:Cress
Start	955	End	9045
GI	none	Score	402
Exons	955..1569, 965..1570, 1561..1713, 1915..2067, 1919..2068, 6473..6862, 6483..6863, 6935..7033, 6936..7025, 8677..8826, 8684..8827, 8830..9045, 8831..9028		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75125	Strand	-
Start	9914	End	9974
Name	OJ990908_05.9B22.C11.o1.ts	Method	TBLASTX:Soybean
Start	1081	End	9031
GI	none	Score	279
Exons	1081..1569, 1082..1570, 1561..1713, 1915..2070, 1919..2071, 6593..7027, 6594..6863, 6936..7025, 8677..8826, 8684..8827, 8830..9030, 8831..8935, 8963..9031		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75125	Strand	-
Start	9914	End	9974
Name	OJ990908_05.9B22.C11.o1.tm	Method	TBLASTX:Maize
Start	1093	End	8730
GI	none	Score	115
Exons	1093..1212, 1121..1210, 1216..1563, 1217..1561, 1459..1563, 6611..6730, 6612..6728, 6682..6735, 6734..7024, 6735..7025, 8677..8730		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75125	Strand	-
Start	9914	End	9974
Name	OJ990908_05.9B22.C11.o1.tw	Method	TBLASTX:Wheat
Start	1409	End	8814
GI	none	Score	142
Exons	1409..1630, 1411..1650, 1438..1632, 6929..7027, 6930..7028, 8677..8736, 8726..8809, 8734..8808, 8740..8814		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75125	Strand	-
Start	9914	End	9974
Name	OJ990908_05.9B22.C11.o2.tm	Method	TBLASTX:Maize
Start	1573	End	9034
GI	none	Score	89
Exons	1573..1662, 1654..1710, 1906..2058, 1915..2067, 1922..2068, 8734..8835, 8735..8824, 8746..8832, 8848..9027, 8851..8985, 8852..9034		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75125	Strand	-
Start	9914	End	9974
Name	OJ990908_05.9B22.C11.o2.tw	Method	TBLASTX:Wheat
Start	1888	End	9030
GI	none	Score	91
Exons	1888..2070, 1918..2058, 2046..2105, 8836..9030, 8837..8998		

Seq. No.	36525	Seq. ID	OJ990908_05.9B22.C11
Gene No.	75125	Strand	-
Start	9914	End	9974
Name	OJ990908_05.9B22.C11.o3.gp	Method	AAT/GAP
Start	9914	End	9974
GI	2312838	Score	73
Exons	9914..9974		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	36526	Seq. ID	OJ990908_05.9B22.C12
Gene No.	75126	Strand	+
Start	368	End	441
Name	OJ990908_05.9B22.C12.o1.gs	Method	GENSCAN
Start	368	End	441
GI	none	Score	.99
Exons	368..441		

Seq. No.	36527	Seq. ID	OJ990908_05.9B22.C13
Gene No.	75127	Strand	+
Start	184	End	296
Name	OJ990908_05.9B22.C13.o1.gs	Method	GENSCAN
Start	184	End	296
GI	none	Score	.95
Exons	184..296		

Seq. No.	36528	Seq. ID	OJ990908_06.9B22.C1
Gene No.	75128	Strand	+
Start	157	End	198
Name	OJ990908_06.9B22.C1.o1.gs	Method	GENSCAN
Start	157	End	198
GI	none	Score	.4
Exons	157..198		

Seq. No.	36529	Seq. ID	OJ990908_06.9B22.C2
Gene No.	75129	Strand	-
Start	6203	End	8324
Name	OJ990908_06.9B22.C2.o2.gs	Method	GENSCAN
Start	6203	End	8324
GI	none	Score	.97
Exons	6203..6841, 8253..8324		

Seq. No.	36529	Seq. ID	OJ990908_06.9B22.C2
Gene No.	75129	Strand	-
Start	6203	End	8324
Name	OJ990908_06.9B22.C2.o1.tm	Method	TBLASTX:Maize
Start	7075	End	7685
GI	none	Score	80
Exons	7075..7134, 7160..7297, 7182..7292, 7182..7274, 7182..7301, 7182..7274, 7185..7274, 7197..7274, 7198..7374, 7204..7311, 7204..7299, 7300..7452, 7300..7437, 7317..7439, 7318..7449, 7322..7447, 7325..7447, 7329..7433, 7330..7446, 7332..7433, 7333..7437, 7333..7434, 7340..7468, 7349..7444, 7443..7559, 7459..7560, 7460..7558, 7509..7619, 7518..7619, 7548..7685, 7549..7671, 7556..7666, 7563..7679, 7567..7653, 7573..7671		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75130	Strand	+
Start	670	End	15270
Name	OJ990908_06.9B22.C3.o1.gs	Method	GENSCAN
Start	670	End	15270
GI	none	Score	.62
Exons	670..781, 1566..1587, 2429..2468, 3886..3995, 7678..7724, 7962..8837, 8973..9050, 9333..9422, 9510..9647, 9669..9758, 9843..10104, 10141..10268, 10325..11075, 11552..11945, 12582..13013, 13089..13313, 13392..13838, 13926..14812,		

14891..15061, 15144..15270

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75130	Strand	+
Start	670	End	15270
Name	OJ990908_06.9B22.C3.o1.np	Method	AAT/NAP
Start	3498	End	6822
GI	4680199	Score	369
Exons	3498..3798, 3848..4424, 4811..4942, 5021..5514, 6803..6822		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75130	Strand	+
Start	670	End	15270
Name	OJ990908_06.9B22.C3.o3.np	Method	AAT/NAP
Start	7821	End	11099
GI	4680203	Score	1996
Exons	7821..9482, 9642..9871, 10148..11099		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75131	Strand	+
Start	27503	End	28847
Name	OJ990908_06.9B22.C3.o4.gs	Method	GENSCAN
Start	27503	End	28847
GI	none	Score	.53
Exons	27503..27566, 27617..27752, 27920..28055, 28438..28480, 28645..28847		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75132	Strand	+
Start	32850	End	32906
Name	OJ990908_06.9B22.C3.o1.gp	Method	AAT/GAP
Start	32850	End	32906
GI	2800484	Score	75
Exons	32850..32906		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 7.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75133	Strand	-
Start	18050	End	18790
Name	OJ990908_06.9B22.C3.o2.gs	Method	GENSCAN
Start	18050	End	18790
GI	none	Score	1
Exons	18050..18790		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o9.tm	Method	TBLASTX:Maize
Start	3496	End	3990
GI	none	Score	205
Exons	3496..3714, 3507..3641, 3886..3990		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-

Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o6.tm	Method	TBLASTX:Maize
Start	4893	End	5501
GI	none	Score	38
Exons	4893..4970, 5019..5249, 5277..5501		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o7.tw	Method	TBLASTX:Wheat
Start	5288	End	5513
GI	none	Score	247
Exons	5288..5512, 5289..5513		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o4.tw	Method	TBLASTX:Wheat
Start	8180	End	8860
GI	none	Score	242
Exons	8180..8596, 8269..8469, 8605..8715, 8609..8728, 8735..8860		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o2.ts	Method	TBLASTX:Soybean
Start	8252	End	8589
GI	none	Score	41
Exons	8252..8299, 8257..8307, 8265..8537, 8305..8589, 8306..8587		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o6.ts	Method	TBLASTX:Soybean
Start	8608	End	8875
GI	none	Score	227
Exons	8608..8874, 8612..8875		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o1.tc	Method	TBLASTX:Cress
Start	8609	End	8956
GI	none	Score	326
Exons	8609..8956, 8614..8763, 8803..8955		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o1.tm	Method	TBLASTX:Maize
Start	8800	End	9244
GI	none	Score	230
Exons	8800..9027, 8801..9043, 9025..9228, 9050..9244		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867

Name	OJ990908_06.9B22.C3.o6.tw	Method	TBLASTX:Wheat
Start	8861	End	9204
GI	none	Score	56
Exons	8861..8902, 8909..9004, 8911..9006, 8956..9204, 9050..9199		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o7.ts	Method	TBLASTX:Soybean
Start	9079	End	9313
GI	none	Score	222
Exons	9079..9240, 9080..9313, 9104..9304		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o8.tm	Method	TBLASTX:Maize
Start	9407	End	9619
GI	none	Score	214
Exons	9407..9604, 9428..9619, 9430..9618		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o9.ts	Method	TBLASTX:Soybean
Start	9716	End	10099
GI	none	Score	85
Exons	9716..9844, 9854..10099, 9973..10098		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o1.tw	Method	TBLASTX:Wheat
Start	9755	End	11004
GI	none	Score	510
Exons	9755..10297, 9799..10299, 10304..10348, 10356..10493, 10357..10503, 10501..10641, 10515..10640, 10657..10707, 10664..10708, 10708..10761, 10779..10883, 10780..10884, 10885..11004		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o2.tm	Method	TBLASTX:Maize
Start	9796	End	10111
GI	none	Score	306
Exons	9796..10092, 9797..10111		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o3.tc	Method	TBLASTX:Cress
Start	10042	End	10467
GI	none	Score	219
Exons	10042..10299, 10046..10297, 10304..10348, 10356..10463, 10357..10467		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o5.ts	Method	TBLASTX:Soybean
Start	10693	End	10941
GI	none	Score	234
Exons	10693..10941, 10695..10877		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o4.np	Method	AAT/NAP
Start	20073	End	29112
GI	4234852	Score	3275
Exons	20073..22979, 26100..26495, 26540..26897, 29091..29112		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o10.tm	Method	TBLASTX:Maize
Start	20112	End	20570
GI	none	Score	130
Exons	20112..20294, 20355..20570		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o5.tw	Method	TBLASTX:Wheat
Start	20124	End	20591
GI	none	Score	41
Exons	20124..20591, 20125..20238, 20293..20496		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o4.ts	Method	TBLASTX:Soybean
Start	20127	End	20699
GI	none	Score	71
Exons	20127..20309, 20334..20699, 20401..20535, 20617..20640		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o3.gs	Method	GENSCAN
Start	20295	End	26731
GI	none	Score	.53
Exons	20295..20815, 21499..21826, 22274..22906, 23690..23986, 24079..24469, 25219..25337, 25747..25883, 26560..26731		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o3.tm	Method	TBLASTX:Maize
Start	20571	End	21020
GI	none	Score	125
Exons	20571..20885, 20590..20877, 20862..21020		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o2.tw	Method	TBLASTX:Wheat
Start	20674	End	21464
GI	none	Score	144
Exons	20674..21060, 20685..21023, 21119..21463, 21120..21308, 21375..21464		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o1.ts	Method	TBLASTX:Soybean
Start	21134	End	21592
GI	5509260	Score	162
Exons	21134..21592, 21156..21584		
GI Descrip.	-		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o4.tm	Method	TBLASTX:Maize
Start	21155	End	21463
GI	none	Score	93
Exons	21155..21463, 21156..21308		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o2.tc	Method	TBLASTX:Cress
Start	21245	End	21505
GI	none	Score	123
Exons	21245..21505, 21246..21503		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o8.ts	Method	TBLASTX:Soybean
Start	21995	End	22382
GI	none	Score	34
Exons	21995..22066, 21996..22064, 22106..22168, 22107..22169, 22172..22381, 22173..22382		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o3.tw	Method	TBLASTX:Wheat
Start	21998	End	22660
GI	none	Score	59
Exons	21998..22078, 22076..22381, 22133..22252, 22272..22358, 22421..22660, 22422..22520		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o7.tm	Method	TBLASTX:Maize

Start	22187	End	22645
GI	none	Score	93
Exons	22187..22375, 22188..22370, 22421..22645		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o3.ts	Method	TBLASTX:Soybean
Start	22436	End	22834
GI	none	Score	305
Exons	22436..22834		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o5.tm	Method	TBLASTX:Maize
Start	26140	End	26912
GI	none	Score	37
Exons	26140..26205, 26277..26369, 26543..26767, 26603..26638, 26622..26768, 26765..26902, 26766..26912		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o5.np	Method	AAT/NAP
Start	26271	End	26901
GI	4234848	Score	149
Exons	26271..26901		
GI Descrip.	(AF082131) gag-pol polyprotein [Zea mays]		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o6.np	Method	AAT/NAP
Start	28995	End	31818
GI	119714	Score	270
Exons	28995..29124, 29896..30394, 30431..31218, 31625..31818		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	36530	Seq. ID	OJ990908_06.9B22.C3
Gene No.	75134	Strand	-
Start	20073	End	31867
Name	OJ990908_06.9B22.C3.o5.gs	Method	GENSCAN
Start	29685	End	31867
GI	none	Score	.58
Exons	29685..30067, 30073..30196, 30297..30523, 30691..30821, 31125..31218, 31653..31787, 31792..31867		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75135	Strand	+
Start	519	End	3037
Name	OJ990908_06.9B22.C4.o1.gs	Method	GENSCAN
Start	519	End	3037
GI	none	Score	.6

Exons	519..575, 902..1157, 1269..1430, 2880..3037		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75136	Strand	+
Start	4886	End	6021
Name	OJ990908_06.9B22.C4.o1.np	Method	AAT/NAP
Start	4886	End	6021
GI	5042463	Score	187
Exons	4886..5065, 5743..5916, 5964..6021		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75137	Strand	+
Start	11100	End	15801
Name	OJ990908_06.9B22.C4.o3.gs	Method	GENSCAN
Start	11100	End	15801
GI	none	Score	.68
Exons	11100..11532, 14484..14594, 14972..15033, 15318..15474, 15483..15516, 15627..15801		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75138	Strand	+
Start	19955	End	20362
Name	OJ990908_06.9B22.C4.o4.gs	Method	GENSCAN
Start	19955	End	20362
GI	none	Score	.85
Exons	19955..20362		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75139	Strand	+
Start	20993	End	25377
Name	OJ990908_06.9B22.C4.o5.gs	Method	GENSCAN
Start	20993	End	25377
GI	none	Score	.79
Exons	20993..21430, 21530..21616, 22102..22230, 22339..22527, 22631..22717, 23873..24392, 25169..25377		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75140	Strand	+
Start	28418	End	30127
Name	OJ990908_06.9B22.C4.o7.gs	Method	GENSCAN
Start	28418	End	30127
GI	none	Score	.53
Exons	28418..28557, 28717..28977, 29250..29734, 30042..30127		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75141	Strand	+
Start	31217	End	41127
Name	OJ990908_06.9B22.C4.o8.gs	Method	GENSCAN
Start	31217	End	41127
GI	none	Score	.44
Exons	31217..31607, 31833..32005, 32088..32259, 32364..32447, 33733..33860, 34218..34373, 34869..34925, 35266..35929, 36397..36704, 37323..37446, 37591..37644, 39489..39956, 40391..40510, 40865..41127		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4

Gene No.	75141	Strand	+
Start	31217	End	41127
Name	OJ990908_06.9B22.C4.o6.np	Method	AAT/NAP
Start	35106	End	38306
GI	3645899	Score	2113
Exons	35106..36382, 36430..38306		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75141	Strand	+
Start	31217	End	41127
Name	OJ990908_06.9B22.C4.o7.np	Method	AAT/NAP
Start	40806	End	41122
GI	6539588	Score	153
Exons	40806..41122		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75142	Strand	-
Start	20490	End	20582
Name	OJ990908_06.9B22.C4.o1.gp	Method	AAT/GAP
Start	20490	End	20582
GI	LIB3432-008-P1-K1-F11	Score	118
Exons	20490..20582		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75143	Strand	-
Start	26590	End	27851
Name	OJ990908_06.9B22.C4.o6.gs	Method	GENSCAN
Start	26590	End	27851
GI	none	Score	.98
Exons	26590..26700, 27245..27473, 27682..27851		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75144	Strand	-
Start	28476	End	29236
Name	OJ990908_06.9B22.C4.o5.np	Method	AAT/NAP
Start	28476	End	29236
GI	4680179	Score	949
Exons	28476..29236		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75145	Strand	-
Start	42745	End	46280
Name	OJ990908_06.9B22.C4.o8.np	Method	AAT/NAP
Start	42742	End	46280
GI	2827630	Score	1466
Exons	42742..42920, 43748..45075, 45367..46280		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75145	Strand	-
Start	42745	End	46280
Name	OJ990908_06.9B22.C4.o9.gs	Method	GENSCAN

Start	42745	End	46280
GI	none	Score	.99
Exons	42745..42902, 43820..46280		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o3.tc	Method	TBLASTX:Cress
Start	11384	End	21622
GI	none	Score	143
Exons	11384..11536, 11412..11579, 20966..21037, 21182..21430, 21241..21408, 21512..21622, 21517..21618		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o4.ts	Method	TBLASTX:Soybean
Start	11387	End	21424
GI	none	Score	125
Exons	11387..11536, 11406..11534, 19078..19158, 20969..21130, 20971..21084, 21151..21312, 21182..21313, 21310..21423, 21314..21424		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o8.tw	Method	TBLASTX:Wheat
Start	12569	End	49385
GI	none	Score	156
Exons	12569..12616, 12732..12917, 30423..30617, 30428..30553, 49311..49385		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o9.tm	Method	TBLASTX:Maize
Start	12681	End	49502
GI	none	Score	101
Exons	12681..12923, 12712..12930, 30428..30622, 30429..30644, 49299..49502		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o12.tm	Method	TBLASTX:Maize
Start	13274	End	49936
GI	none	Score	104
Exons	13274..13498, 13275..13499, 29928..30092, 49856..49936		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o5.tw	Method	TBLASTX:Wheat
Start	13430	End	29932
GI	none	Score	239
Exons	13430..13504, 29523..29813, 29524..29814, 29831..29932		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o3.tm	Method	TBLASTX:Maize
Start	20950	End	21619
GI	none	Score	138
Exons	20950..21081, 20963..21130, 21151..21429, 21182..21430, 21508..21618, 21527..21619		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o7.ts	Method	TBLASTX:Soybean
Start	21524	End	22723
GI	none	Score	125
Exons	21524..21619, 21529..21630, 22360..22524, 22402..22512, 22619..22723		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o4.tc	Method	TBLASTX:Cress
Start	22354	End	22723
GI	none	Score	171
Exons	22354..22524, 22619..22723		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o11.tm	Method	TBLASTX:Maize
Start	22357	End	22740
GI	none	Score	198
Exons	22357..22521, 22377..22508, 22408..22545, 22619..22723, 22654..22740		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o2.tc	Method	TBLASTX:Cress
Start	23870	End	24499
GI	none	Score	78
Exons	23870..23944, 23881..23985, 24017..24283, 24022..24219, 24347..24499		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o3.ts	Method	TBLASTX:Soybean
Start	23870	End	24457
GI	none	Score	96
Exons	23870..23944, 23884..24297, 23887..23979, 24002..24319, 24311..24457, 24313..24456		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o6.tw	Method	TBLASTX:Wheat

Start	24023	End	24283
GI	none	Score	253
Exons	24023..24283, 24070..24228, 24074..24274		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o8.tm	Method	TBLASTX:Maize
Start	24067	End	24469
GI	none	Score	210
Exons	24067..24288, 24089..24304, 24311..24469		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o2.tw	Method	TBLASTX:Wheat
Start	28598	End	29015
GI	none	Score	90
Exons	28598..28975, 28598..29011, 28713..29015		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o5.tm	Method	TBLASTX:Maize
Start	28712	End	29233
GI	none	Score	137
Exons	28712..29044, 28716..28973, 29029..29082, 29053..29139, 29102..29233		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o7.tw	Method	TBLASTX:Wheat
Start	29016	End	29233
GI	none	Score	58
Exons	29016..29108, 29017..29082, 29096..29233, 29102..29233		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o6.tm	Method	TBLASTX:Maize
Start	29242	End	50293
GI	none	Score	346
Exons	29242..29814, 50090..50293		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o4.tw	Method	TBLASTX:Wheat
Start	35716	End	36221
GI	none	Score	236
Exons	35716..36123, 36147..36221		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o4.tm	Method	TBLASTX:Maize

Start	35758	End	36341
GI	none	Score	88
Exons	35758..35823, 35763..35825, 35824..36123, 35910..36125, 36144..36227, 36149..36217, 36213..36341		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o6.ts	Method	TBLASTX:Soybean
Start	35935	End	36332
GI	none	Score	168
Exons	35935..36123, 35949..36113, 36162..36215, 36237..36332		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o6.tc	Method	TBLASTX:Cress
Start	35949	End	36329
GI	none	Score	129
Exons	35949..36035, 35950..36123, 36147..36212, 36222..36329, 36224..36328		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o1.ts	Method	TBLASTX:Soybean
Start	36735	End	52288
GI	5509260	Score	597
Exons	36735..37271, 36747..36965, 36752..37276, 51958..52287, 51980..52288		
GI Descrip.	-		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o5.tc	Method	TBLASTX:Cress
Start	36896	End	52287
GI	none	Score	201
Exons	36896..37156, 36897..37157, 52069..52287		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o1.tw	Method	TBLASTX:Wheat
Start	36932	End	52288
GI	none	Score	269
Exons	36932..37033, 36936..37283, 37094..37231, 37326..37373, 51497..51592, 51625..51957, 51713..51802, 51739..51882, 51943..52287, 51992..52132, 52193..52288		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o2.tm	Method	TBLASTX:Maize
Start	36936	End	52287
GI	none	Score	461
Exons	36936..37376, 36938..37312, 37086..37364, 51904..52287,		

51980..52132

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	37629	End	51565
GI	none	Score	317
Exons	37629..37955, 37637..37966, 37964..38005, 38027..38278, 38028..38294, 50936..51133, 51179..51523, 51216..51344, 51536..51565		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o5.ts	Method	TBLASTX:Soybean
Start	37647	End	51523
GI	none	Score	225
Exons	37647..37955, 37730..37876, 38058..38336, 50951..51127, 51143..51523		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o3.tw	Method	TBLASTX:Wheat
Start	37806	End	51415
GI	none	Score	71
Exons	37806..37955, 38067..38255, 38070..38234, 50948..51415, 50949..51062, 51104..51415		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o7.tc	Method	TBLASTX:Cress
Start	42756	End	42907
GI	none	Score	126
Exons	42756..42893, 42757..42903, 42764..42907		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o8.ts	Method	TBLASTX:Soybean
Start	43818	End	44051
GI	none	Score	91
Exons	43818..44051, 43845..44042		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o7.tm	Method	TBLASTX:Maize
Start	43832	End	44078
GI	none	Score	178
Exons	43832..44074, 43833..44078, 43834..44010		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564

Name	OJ990908_06.9B22.C4.o1.tc	Method	TBLASTX:Cress
Start	43833	End	46148
GI	none	Score	103
Exons	43833..44045, 43834..44013, 44212..44670, 44217..44711, 44841..44930, 44863..44931, 44934..45032, 44996..45043, 45759..46148		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o2.ts	Method	TBLASTX:Soybean
Start	44157	End	45032
GI	none	Score	229
Exons	44157..44216, 44191..44511, 44219..44380, 44220..44666, 44447..44704, 44769..44816, 44823..44930, 44824..44931, 44838..44966, 44934..45032		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o10.tm	Method	TBLASTX:Maize
Start	44445	End	44924
GI	none	Score	153
Exons	44445..44666, 44448..44666, 44573..44677, 44835..44924		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o10.gs	Method	GENSCAN
Start	49063	End	52170
GI	none	Score	.56
Exons	49063..49338, 50238..50477, 50927..51436, 51931..52170		

Seq. No.	36531	Seq. ID	OJ990908_06.9B22.C4
Gene No.	75146	Strand	-
Start	49063	End	52564
Name	OJ990908_06.9B22.C4.o10.np	Method	AAT/NAP
Start	50897	End	52564
GI	4234852	Score	1741
Exons	50897..52564		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	36532	Seq. ID	OJ991118_20.9C28.C1
Gene No.	75147	Strand	+
Start	85	End	2200
Name	OJ991118_20.9C28.C1.o1.gs	Method	GENSCAN
Start	85	End	2200
GI	none	Score	.89
Exons	85..212, 418..661, 758..850, 1089..1163, 1249..1601, 1954..2200		

Seq. No.	36532	Seq. ID	OJ991118_20.9C28.C1
Gene No.	75147	Strand	+
Start	85	End	2200
Name	OJ991118_20.9C28.C1.o1.gp	Method	AAT/GAP
Start	556	End	1462
GI	LIB3434-003-P1-K1-F7	Score	816
Exons	556..661, 758..850, 1089..1163, 1249..1462		

GI Descrip. '2827535/emb|CAA16543.1| 1.0e-16 (AL021633) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	36532	Seq. ID	OJ991118_20.9C28.C1
Gene No.	75148	Strand	-
Start	2161	End	4477
Name	OJ991118_20.9C28.C1.o1.tm	Method	TBLASTX:Maize
Start	461	End	1341
GI	none	Score	277
Exons	461..661, 467..595, 469..660, 513..668, 755..850, 757..849, 1087..1164, 1088..1165, 1122..1166, 1221..1340, 1249..1341		

Seq. No.	36532	Seq. ID	OJ991118_20.9C28.C1
Gene No.	75148	Strand	-
Start	2161	End	4477
Name	OJ991118_20.9C28.C1.o1.np	Method	AAT/NAP
Start	2161	End	4477
GI	4406773	Score	514
Exons	2161..2324, 2658..2955, 3031..3108, 3221..3305, 3669..3803, 4162..4477		

GI Descrip. (AC006836) putative AAA-type ATPase [Arabidopsis thaliana]

Seq. No.	36532	Seq. ID	OJ991118_20.9C28.C1
Gene No.	75148	Strand	-
Start	2161	End	4477
Name	OJ991118_20.9C28.C1.o2.gs	Method	GENSCAN
Start	2632	End	3803
GI	none	Score	.86
Exons	2632..2955, 3031..3108, 3221..3317, 3675..3803		

Seq. No.	36532	Seq. ID	OJ991118_20.9C28.C1
Gene No.	75148	Strand	-
Start	2161	End	4477
Name	OJ991118_20.9C28.C1.o1.tc	Method	TBLASTX:Cress
Start	2767	End	3814
GI	none	Score	69
Exons	2767..2946, 2780..2884, 3034..3108, 3236..3274, 3674..3814		

Seq. No.	36532	Seq. ID	OJ991118_20.9C28.C1
Gene No.	75148	Strand	-
Start	2161	End	4477
Name	OJ991118_20.9C28.C1.o1.ts	Method	TBLASTX:Soybean
Start	2767	End	3814
GI	none	Score	67
Exons	2767..2946, 2768..2875, 3034..3108, 3236..3274, 3674..3814		

Seq. No.	36532	Seq. ID	OJ991118_20.9C28.C1
Gene No.	75148	Strand	-
Start	2161	End	4477
Name	OJ991118_20.9C28.C1.o2.tm	Method	TBLASTX:Maize
Start	2901	End	3749
GI	none	Score	66
Exons	2901..2957, 2902..2958, 2903..2962, 3010..3108, 3011..3109, 3033..3110, 3034..3117, 3221..3319, 3222..3320, 3674..3748, 3675..3749, 3681..3749		

Seq. No.	36533	Seq. ID	OJ991118_20.9C28.C2

Gene No.	75149	Strand	-
Start	13142	End	16471
Name	OJ991118_20.9C28.C2.o2.gs	Method	GENSCAN
Start	13142	End	16471
GI	none	Score	.49
Exons	13142..13353, 13889..14249, 14565..14706, 14793..15015, 15994..16471		

Seq. No.	36533	Seq. ID	OJ991118_20.9C28.C2
Gene No.	75149	Strand	-
Start	13142	End	16471
Name	OJ991118_20.9C28.C2.o1.tm	Method	TBLASTX:Maize
Start	13857	End	15024
GI	none	Score	49
Exons	13857..13898, 13905..13958, 13925..13960, 13986..14255, 13990..14250, 14021..14263, 14562..14708, 14562..14708, 14564..14725, 14566..14709, 14775..14879, 14792..14878, 14956..15024, 14957..15022		

Seq. No.	36533	Seq. ID	OJ991118_20.9C28.C2
Gene No.	75149	Strand	-
Start	13142	End	16471
Name	OJ991118_20.9C28.C2.o1.np	Method	AAT/NAP
Start	13941	End	16447
GI	6587803	Score	581
Exons	13941..14249, 14565..14706, 14793..14876, 14958..15015, 15994..16447		
GI Descrip.	(AC010924) Contains similarity to gi|112785 DNA-3-methyladenine glycosidase I from Escherichia coli. [Arabidopsis thaliana]		

Seq. No.	36533	Seq. ID	OJ991118_20.9C28.C2
Gene No.	75149	Strand	-
Start	13142	End	16471
Name	OJ991118_20.9C28.C2.o1.ts	Method	TBLASTX:Soybean
Start	13977	End	15022
GI	none	Score	167
Exons	13977..14255, 14026..14250, 14780..14878, 14956..15006, 14957..15013, 14957..15022		

Seq. No.	36533	Seq. ID	OJ991118_20.9C28.C2
Gene No.	75149	Strand	-
Start	13142	End	16471
Name	OJ991118_20.9C28.C2.o1.tc	Method	TBLASTX:Cress
Start	14007	End	14246
GI	none	Score	127
Exons	14007..14246, 14016..14228, 14026..14244		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75150	Strand	+
Start	126	End	311
Name	OJ991118_20.9C28.C3.o1.gs	Method	GENSCAN
Start	126	End	311
GI	none	Score	.77
Exons	126..167, 306..311		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75151	Strand	+

Start	6565	End	9700
Name	OJ991118_20.9C28.C3.o3.gs	Method	GENSCAN
Start	6565	End	9251
GI	none	Score	.96
Exons	6565..6635, 6902..7100, 8336..8375, 8727..9087, 9167..9251		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75151	Strand	+
Start	6565	End	9700
Name	OJ991118_20.9C28.C3.o2.np	Method	AAT/NAP
Start	8714	End	9248
GI	3122703	Score	588
Exons	8714..9087, 9167..9248		
GI Descrip.	60S RIBOSOMAL PROTEIN L23A gi|2641201 (AF031542) ribosomal protein L23a [Fritillaria agrestis]		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75151	Strand	+
Start	6565	End	9700
Name	OJ991118_20.9C28.C3.o2.gp	Method	AAT/GAP
Start	8739	End	9700
GI	480_1_R1084	Score	1573
Exons	8739..9087, 9167..9700		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75152	Strand	+
Start	15180	End	15899
Name	OJ991118_20.9C28.C3.o5.gs	Method	GENSCAN
Start	15180	End	15899
GI	none	Score	.82
Exons	15180..15323, 15400..15629, 15773..15899		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75153	Strand	-
Start	1623	End	5524
Name	OJ991118_20.9C28.C3.o2.gs	Method	GENSCAN
Start	1623	End	5524
GI	none	Score	.9
Exons	1623..1658, 1912..2086, 2182..2378, 3790..4125, 4208..4336, 4982..5524		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75153	Strand	-
Start	1623	End	5524
Name	OJ991118_20.9C28.C3.o1.np	Method	AAT/NAP
Start	2151	End	5518
GI	6587806	Score	1155
Exons	2151..2378, 3573..3620, 3790..4125, 4208..4336, 4982..5518		
GI Descrip.	(AC010924) Contains similarity to gb|M82916 MRS2 protein from Saccharomyces cerivisae. ESTs gb|N96043, gb|AI998651, gb|AA585850, gb|T42027 come from this gene. [Arabidopsis thaliana]		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75154	Strand	-

Start	10113	End	13888
Name	OJ991118_20.9C28.C3.o4.gs	Method	GENSCAN
Start	10113	End	13783
GI	none	Score	.6
Exons	10113..10270, 10920..11133, 11425..11479, 12055..12107, 12196..12272, 12610..12727, 12812..12929, 13186..13201, 13600..13669, 13772..13783		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75154	Strand	-
Start	10113	End	13888
Name	OJ991118_20.9C28.C3.o3.np	Method	AAT/NAP
Start	10896	End	13888
GI	4584525	Score	338
Exons	10896..11078, 11425..11479, 12055..12107, 12196..12272, 12358..12493, 12605..12752, 12794..12929, 13096..13201, 13600..13669, 13772..13888		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o2.tc	Method	TBLASTX:Cress
Start	2148	End	3939
GI	none	Score	190
Exons	2148..2378, 2149..2379, 3559..3621, 3573..3620, 3784..3864, 3868..3939		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o2.tm	Method	TBLASTX:Maize
Start	2148	End	3855
GI	none	Score	178
Exons	2148..2378, 2148..2378, 2149..2379, 2149..2382, 2228..2383, 3559..3621, 3573..3620, 3784..3855, 3792..3854		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o4.ts	Method	TBLASTX:Soybean
Start	2259	End	2390
GI	none	Score	84
Exons	2259..2387, 2260..2385, 2265..2390		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o2.ts	Method	TBLASTX:Soybean
Start	3791	End	4264
GI	none	Score	40
Exons	3791..3826, 3793..3939, 3813..3992, 3814..3978, 4018..4128, 4018..4128, 4197..4262, 4205..4264		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-

Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o4.tm	Method	TBLASTX:Maize
Start	3871	End	4285
GI	none	Score	41
Exons	3871..3939, 3894..3917, 4018..4128, 4042..4125, 4197..4283, 4205..4285, 4211..4285		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o3.tc	Method	TBLASTX:Cress
Start	4057	End	5053
GI	none	Score	61
Exons	4057..4119, 4057..4128, 4197..4295, 4205..4330, 4205..4339, 4991..5053		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o3.tm	Method	TBLASTX:Maize
Start	5072	End	5404
GI	none	Score	63
Exons	5072..5113, 5072..5131, 5096..5245, 5123..5218, 5190..5387, 5306..5404		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o1.tc	Method	TBLASTX:Cress
Start	8724	End	9254
GI	none	Score	67
Exons	8724..8792, 8737..8811, 8800..9093, 8801..9088, 9164..9253, 9165..9254		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o1.tm	Method	TBLASTX:Maize
Start	8724	End	9261
GI	none	Score	125
Exons	8724..8792, 8725..8817, 8803..9093, 8804..9088, 9153..9254, 9164..9256, 9165..9254, 9166..9261		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o1.tw	Method	TBLASTX:Wheat
Start	8724	End	9024
GI	none	Score	333
Exons	8724..8996, 8728..9024, 8789..8995		

Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o1.ts	Method	TBLASTX:Soybean
Start	8794	End	9256
GI	none	Score	355

Exons	8794..9093, 8795..9088, 9153..9251, 9164..9256, 9165..9251		
Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o2.tw	Method	TBLASTX:Wheat
Start	9025	End	9421
GI	none	Score	100
Exons	9025..9093, 9026..9088, 9153..9251, 9165..9257, 9166..9252, 9255..9290, 9255..9287, 9288..9320, 9289..9324, 9290..9322, 9345..9392, 9345..9392, 9353..9421		
Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o3.ts	Method	TBLASTX:Soybean
Start	12042	End	12698
GI	none	Score	51
Exons	12042..12104, 12187..12273, 12371..12517, 12420..12503, 12603..12692, 12605..12685, 12605..12697, 12609..12698		
Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o5.tm	Method	TBLASTX:Maize
Start	12042	End	13876
GI	none	Score	54
Exons	12042..12104, 12187..12273, 12371..12517, 12423..12503, 12603..12692, 12605..12694, 12605..12697, 12609..12698, 13131..13202, 13592..13651, 13600..13635, 13746..13841, 13760..13876		
Seq. No.	36534	Seq. ID	OJ991118_20.9C28.C3
Gene No.	75155	Strand	-
Start	17231	End	17413
Name	OJ991118_20.9C28.C3.o6.gs	Method	GENSCAN
Start	17231	End	17413
GI	none	Score	.91
Exons	17231..17413		
Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o2.np	Method	AAT/NAP
Start	1	End	42067
GI	6006359	Score	68
Exons	1..151, 19877..19977, 31565..31659, 32231..32485, 41959..42067		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o1.gp	Method	AAT/GAP
Start	417	End	1633
GI	1118_1.R1084	Score	2415
Exons	417..1633		
GI Descrip.	'2239089/emb|CAB06430| 2.0e-46 (Z84386) anthranilate		

N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_3288180_emb_CAB11466_ (Z98758) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o2.gs	Method	GENSCAN
Start	10064	End	12158
GI	none	Score	.79
Exons	10064..10130, 10255..10354, 10714..10841, 12037..12158		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o3.gp	Method	AAT/GAP
Start	13726	End	14054
GI	3107457	Score	470
Exons	13726..14054		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o5.gp	Method	AAT/GAP
Start	18353	End	18644
GI	69380_1.R1084	Score	221
Exons	18353..18497, 18616..18644		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o4.gs	Method	GENSCAN
Start	22090	End	22740
GI	none	Score	.95
Exons	22090..22740		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o7.gs	Method	GENSCAN
Start	27622	End	28383
GI	none	Score	.99
Exons	27622..28383		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o7.gp	Method	AAT/GAP
Start	27747	End	27921
GI	2796588	Score	179
Exons	27747..27921		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067

Name	OJ991118_20.9C28.C4.o8.gs	Method	GENSCAN
Start	29674	End	37702
GI	none	Score	.48
Exons	29674..29884, 30126..30413, 31481..31659, 31839..31896, 32166..32443, 32453..32729, 34055..34423, 34576..34766, 34839..35305, 36314..36693, 37464..37702		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75156	Strand	+
Start	1	End	42067
Name	OJ991118_20.9C28.C4.o4.np	Method	AAT/NAP
Start	34066	End	35420
GI	3386534	Score	980
Exons	34066..34766, 34839..35420		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75157	Strand	-
Start	555	End	5950
Name	OJ991118_20.9C28.C4.o1.gs	Method	GENSCAN
Start	555	End	5707
GI	none	Score	.6
Exons	555..633, 855..1753, 5282..5707		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75157	Strand	-
Start	555	End	5950
Name	OJ991118_20.9C28.C4.o1.np	Method	AAT/NAP
Start	854	End	5722
GI	6469032	Score	1174
Exons	854..1753, 5282..5722		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75157	Strand	-
Start	555	End	5950
Name	OJ991118_20.9C28.C4.o2.gp	Method	AAT/GAP
Start	5256	End	5950
GI	29544_1.R1084	Score	990
Exons	5256..5713, 5831..5950		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75158	Strand	-
Start	13959	End	20688
Name	OJ991118_20.9C28.C4.o3.gs	Method	GENSCAN
Start	13959	End	20688
GI	none	Score	.48
Exons	13959..14077, 15170..15257, 17484..17555, 18083..18383, 18634..18794, 19000..19050, 20593..20688		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75158	Strand	-
Start	13959	End	20688
Name	OJ991118_20.9C28.C4.o4.gp	Method	AAT/GAP

Start	15229	End	15562
GI	3107009	Score	138
Exons	15229..15321, 15542..15562		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75159	Strand	-
Start	23243	End	31396
Name	OJ991118_20.9C28.C4.o3.np	Method	AAT/NAP
Start	23143	End	31396
GI	3868853	Score	134
Exons	23143..23422, 25910..25976, 31239..31396		
GI Descrip.	(AB013853) GPI-anchored protein [Vigna radiata]		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75159	Strand	-
Start	23243	End	31396
Name	OJ991118_20.9C28.C4.o5.gs	Method	GENSCAN
Start	23243	End	23951
GI	none	Score	.94
Exons	23243..23493, 23629..23706, 23828..23951		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75159	Strand	-
Start	23243	End	31396
Name	OJ991118_20.9C28.C4.o6.gp	Method	AAT/GAP
Start	25899	End	26780
GI	none	Score	1527
Exons	25899..26322, 26421..26780		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75159	Strand	-
Start	23243	End	31396
Name	OJ991118_20.9C28.C4.o6.gs	Method	GENSCAN
Start	26069	End	26733
GI	none	Score	.87
Exons	26069..26322, 26421..26507, 26625..26733		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75160	Strand	-
Start	36500	End	36852
Name	OJ991118_20.9C28.C4.o8.gp	Method	AAT/GAP
Start	36500	End	36852
GI	2427594	Score	665
Exons	36500..36852		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o1.ts	Method	TBLASTX:Soybean
Start	836	End	5710
GI	none	Score	50
Exons	836..1186, 873..944, 881..1093, 976..1113, 996..1187, 1202..1480, 1215..1358, 1520..1768, 1535..1756, 1614..1760, 5277..5369, 5309..5392, 5402..5527, 5436..5501, 5579..5710, 5583..5708		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o1.tm	Method	TBLASTX:Maize
Start	848	End	1553
GI	none	Score	213
Exons	848..1348, 863..1093, 993..1352, 1346..1531, 1350..1478, 1521..1553		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o2.tc	Method	TBLASTX:Cress
Start	849	End	1165
GI	none	Score	71
Exons	849..950, 851..1165, 854..1156		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o3.tc	Method	TBLASTX:Cress
Start	1202	End	1492
GI	none	Score	73
Exons	1202..1273, 1215..1271, 1271..1492, 1296..1397		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o1.tc	Method	TBLASTX:Cress
Start	1535	End	5711
GI	none	Score	143
Exons	1535..1768, 1614..1754, 5276..5386, 5309..5386, 5381..5527, 5433..5501, 5579..5707, 5583..5711		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o2.tm	Method	TBLASTX:Maize
Start	1554	End	5710
GI	none	Score	234
Exons	1554..1754, 1556..1768, 1607..1759, 5276..5557, 5309..5530, 5576..5710, 5577..5708		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o2.tw	Method	TBLASTX:Wheat
Start	5576	End	5710
GI	none	Score	151
Exons	5576..5710, 5577..5708		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o3.tm	Method	TBLASTX:Maize
Start	18344	End	18502

GI	none	Score	130
Exons	18344..18442, 18358..18450, 18359..18445, 18439..18498, 18445..18498, 18446..18502		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o1.tw	Method	TBLASTX:Wheat
Start	34923	End	35204
GI	none	Score	150
Exons	34923..35087, 34928..35071, 34932..35093, 35091..35204		

Seq. No.	36535	Seq. ID	OJ991118_20.9C28.C4
Gene No.	75161	Strand	-
Start	41465	End	41810
Name	OJ991118_20.9C28.C4.o10.gs	Method	GENSCAN
Start	41465	End	41810
GI	none	Score	.51
Exons	41465..41652, 41698..41810		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75162	Strand	+
Start	3420	End	14370
Name	OJ991118_20.9C28.C5.o3.gs	Method	GENSCAN
Start	3420	End	14370
GI	none	Score	.55
Exons	3420..3473, 3538..3883, 3925..4273, 4418..4622, 4733..4840, 5011..5135, 5506..5788, 6463..6534, 7359..7454, 7582..7803, 8381..8421, 8613..8700, 8787..9137, 9210..9458, 9997..10375, 10514..10990, 11102..11208, 12335..12484, 12632..12714, 14040..14180, 14277..14370		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75162	Strand	+
Start	3420	End	14370
Name	OJ991118_20.9C28.C5.o1.np	Method	AAT/NAP
Start	5642	End	11049
GI	951453	Score	2847
Exons	5642..5798, 6463..6534, 7359..7454, 7576..7794, 8381..8478, 8613..8700, 8787..9137, 9210..9458, 9997..11049		
GI Descrip.	(M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75162	Strand	+
Start	3420	End	14370
Name	OJ991118_20.9C28.C5.o1.gp	Method	AAT/GAP
Start	10266	End	11016
GI	9170_1.R1084	Score	1498
Exons	10266..11016		
GI Descrip.	'322867/pir||A44452 5.0e-78 translation initiation factor eIF-4F isozyme form subunit p82 - wheat'		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75162	Strand	+
Start	3420	End	14370
Name	OJ991118_20.9C28.C5.o2.np	Method	AAT/NAP

Start	13189	End	14364
GI	3452091	Score	331
Exons	13189..13354, 14060..14180, 14277..14364		
GI Descrip.	(AJ004899) rudimentary enhancer [Glycine max]		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75163	Strand	-
Start	1515	End	1835
Name	OJ991118_20.9C28.C5.o2.gs	Method	GENSCAN
Start	1515	End	1835
GI	none	Score	.55
Exons	1515..1622, 1649..1715, 1768..1835		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o1.tm	Method	TBLASTX:Maize
Start	6460	End	11426
GI	none	Score	110
Exons	6460..6546, 6460..6534, 6461..6559, 6461..6541, 7356..7457, 7356..7442, 7357..7452, 7586..7804, 7608..7841, 7609..7806, 8377..8478, 8378..8488, 8604..8702, 8614..8700, 8784..9134, 8786..9139, 8786..9133, 9204..9476, 9209..9472, 9983..10099, 9994..10122, 9994..10119, 10047..10121, 10063..10137, 10122..10190, 10123..10140, 10127..10192, 10127..10189, 10178..10363, 10191..10298, 10192..10368, 10200..10217, 10222..10410, 10346..10435, 10368..10445, 10368..10427, 10456..10983, 10513..10995, 10656..10991, 11022..11054, 11022..11051, 11083..11154, 11097..11153, 11167..11232, 11178..11222, 11182..11256, 11212..11280, 11226..11276, 11226..11291, 11231..11314, 11280..11345, 11281..11337, 11349..11426, 11354..11425, 11367..11405		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o1.ts	Method	TBLASTX:Soybean
Start	8381	End	10974
GI	none	Score	147
Exons	8381..8476, 8386..8478, 8387..8488, 8589..8699, 8614..8700, 8784..9137, 8786..9139, 8789..9139, 8790..9167, 9227..9472, 9228..9476, 9994..10119, 10047..10100, 10102..10137, 10113..10136, 10121..10168, 10121..10189, 10122..10190, 10170..10271, 10192..10272, 10194..10271, 10342..10374, 10552..10974, 10656..10928		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o2.tc	Method	TBLASTX:Cress
Start	8617	End	8957
GI	none	Score	107
Exons	8617..8700, 8619..8702, 8784..8957, 8786..8956		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757

Name	OJ991118_20.9C28.C5.o1.tc	Method	TBLASTX:Cress
Start	8957	End	10272
GI	none	Score	238
Exons	8957..9139, 8958..9137, 9032..9139, 9224..9472, 9225..9476, 9994..10119, 10047..10118, 10069..10128, 10077..10124, 10155..10190, 10170..10193, 10173..10259, 10178..10270, 10192..10272, 10200..10271		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o1.tw	Method	TBLASTX:Wheat
Start	9380	End	10371
GI	none	Score	115
Exons	9380..9472, 9387..9476, 9956..10189, 9963..10190, 9985..10140, 10170..10370, 10178..10369, 10192..10371		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o3.tc	Method	TBLASTX:Cress
Start	10552	End	10818
GI	none	Score	266
Exons	10552..10818, 10647..10817		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o2.ts	Method	TBLASTX:Soybean
Start	13251	End	14363
GI	none	Score	70
Exons	13251..13355, 13251..13361, 13252..13356, 14038..14181, 14058..14186, 14079..14183, 14265..14363, 14278..14361		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o4.tc	Method	TBLASTX:Cress
Start	13261	End	14361
GI	none	Score	110
Exons	13261..13356, 13266..13355, 14038..14181, 14046..14180, 14278..14361, 14295..14360		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o3.tm	Method	TBLASTX:Maize
Start	14059	End	14363
GI	none	Score	195
Exons	14059..14181, 14059..14181, 14061..14186, 14276..14353, 14278..14361, 14280..14363		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o4.gs	Method	GENSCAN
Start	14969	End	18757

GI	none	Score	.76
Exons	14969..15682, 15885..16055, 16160..16255, 16367..16626, 16722..17198, 17722..17797, 17931..18012, 18356..18398, 18643..18757		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o2.tw	Method	TBLASTX:Wheat
Start	14993	End	15196
GI	none	Score	96
Exons	14993..15184, 14993..15196, 14994..15191		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o3.np	Method	AAT/NAP
Start	15086	End	17097
GI	6453870	Score	1172
Exons	15086..15682, 15885..16055, 16160..16255, 16367..16626, 16722..17097		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36536	Seq. ID	OJ991118_20.9C28.C5
Gene No.	75164	Strand	-
Start	14969	End	18757
Name	OJ991118_20.9C28.C5.o2.tm	Method	TBLASTX:Maize
Start	15228	End	16240
GI	none	Score	305
Exons	15228..15680, 15260..15610, 15527..15685, 15859..16008, 15885..16022, 15912..16022, 16160..16240		

Seq. No.	36537	Seq. ID	OJ991118_20.9C28.C7
Gene No.	75165	Strand	+
Start	400	End	710
Name	OJ991118_20.9C28.C7.o1.gs	Method	GENSCAN
Start	400	End	710
GI	none	Score	.81
Exons	400..537, 662..710		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o1.gs	Method	GENSCAN
Start	927	End	5658
GI	none	Score	.5
Exons	927..1790, 1938..2025, 2153..2308, 2426..4470, 4855..4921, 5546..5658		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o1.tw	Method	TBLASTX:Wheat
Start	1356	End	2730
GI	none	Score	55
Exons	1356..1445, 1491..1541, 1530..1778, 1555..1758, 2314..2730, 2360..2563		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o4.tm	Method	TBLASTX:Maize
Start	1536	End	2012
GI	none	Score	165
Exons	1536..1793, 1537..1752, 1932..2012		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o1.gp	Method	AAT/GAP
Start	1794	End	1874
GI	LIB3477-003-P1-K1-E9	Score	82
Exons	1794..1874		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o1.np	Method	AAT/NAP
Start	2281	End	4632
GI	5911167	Score	1502
Exons	2281..4632		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o1.tm	Method	TBLASTX:Maize
Start	2371	End	2866
GI	none	Score	391
Exons	2371..2865, 2372..2866		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o1.ts	Method	TBLASTX:Soybean
Start	2419	End	2808
GI	none	Score	138
Exons	2419..2661, 2420..2614, 2674..2808, 2696..2776		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o3.tm	Method	TBLASTX:Maize
Start	2896	End	3358
GI	none	Score	151
Exons	2896..3123, 2899..3057, 3098..3358, 3106..3357, 3140..3358		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o2.tw	Method	TBLASTX:Wheat

Start	3473	End	3774
GI	none	Score	102
Exons	3473..3760, 3514..3774		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o2.tm	Method	TBLASTX:Maize
Start	3514	End	3982
GI	none	Score	188
Exons	3514..3816, 3514..3831, 3515..3820, 3823..3981, 3829..3975, 3833..3982		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o1.tc	Method	TBLASTX:Cress
Start	3559	End	3894
GI	none	Score	52
Exons	3559..3780, 3617..3712, 3794..3892, 3802..3894		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o2.ts	Method	TBLASTX:Soybean
Start	3641	End	4026
GI	none	Score	66
Exons	3641..3730, 3643..3780, 3799..3882, 3802..3885, 3925..4026, 3926..4024		

Seq. No.	36538	Seq. ID	OJ991118_10.9C29.C1
Gene No.	75166	Strand	-
Start	927	End	5658
Name	OJ991118_10.9C29.C1.o3.tw	Method	TBLASTX:Wheat
Start	3787	End	4065
GI	none	Score	85
Exons	3787..3900, 3916..4065, 3929..4054		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75167	Strand	+
Start	3559	End	5561
Name	OJ991118_10.9C29.C2.o2.gs	Method	GENSCAN
Start	3559	End	5561
GI	none	Score	.68
Exons	3559..3913, 4156..4367, 5007..5111, 5379..5561		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75168	Strand	+
Start	8042	End	8746
Name	OJ991118_10.9C29.C2.o4.gs	Method	GENSCAN
Start	8042	End	8746
GI	none	Score	.98
Exons	8042..8746		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75169	Strand	-
Start	6271	End	7130

Name	OJ991118_10.9C29.C2.o3.gs	Method	GENSCAN
Start	6271	End	6952
GI	none	Score	.94
Exons	6271..6308, 6877..6952		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75169	Strand	-
Start	6271	End	7130
Name	OJ991118_10.9C29.C2.o1.gp	Method	AAT/GAP
Start	6749	End	7130
GI	uC-osflcyp033a04b1	Score	699
Exons	6749..7130		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75170	Strand	-
Start	9202	End	13635
Name	OJ991118_10.9C29.C2.o5.gs	Method	GENSCAN
Start	9202	End	13470
GI	none	Score	.81
Exons	9202..9996, 10126..13470		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75170	Strand	-
Start	9202	End	13635
Name	OJ991118_10.9C29.C2.o1.np	Method	AAT/NAP
Start	9205	End	13635
GI	4680179	Score	5322
Exons	9205..13635		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75171	Strand	-
Start	13882	End	17690
Name	OJ991118_10.9C29.C2.o6.gs	Method	GENSCAN
Start	13882	End	17690
GI	none	Score	.47
Exons	13882..14480, 14630..14690, 17085..17690		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75171	Strand	-
Start	13882	End	17690
Name	OJ991118_10.9C29.C2.o2.gp	Method	AAT/GAP
Start	15859	End	16240
GI	uC-osflcyp033a04b1	Score	663
Exons	15859..16240		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75172	Strand	-
Start	19424	End	21142
Name	OJ991118_10.9C29.C2.o7.gs	Method	GENSCAN
Start	19424	End	21142
GI	none	Score	.5
Exons	19424..19627, 19956..20428, 20551..21142		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o10.tw	Method	TBLASTX:Wheat
Start	4206	End	5516
GI	none	Score	89
Exons	4206..4319, 4217..4309, 4298..4411, 4299..4409, 5370..5516		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o6.tw	Method	TBLASTX:Wheat
Start	9250	End	9583
GI	none	Score	111
Exons	9250..9582, 9271..9579, 9314..9583		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o1.tm	Method	TBLASTX:Maize
Start	9430	End	10029
GI	none	Score	211
Exons	9430..9870, 9446..9868, 9868..10029, 9875..10021		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o1.tw	Method	TBLASTX:Wheat
Start	9583	End	10209
GI	none	Score	71
Exons	9583..10209, 9586..9837, 9695..10153		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o4.tm	Method	TBLASTX:Maize
Start	10078	End	10370
GI	none	Score	208
Exons	10078..10368, 10082..10369, 10209..10370		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o2.ts	Method	TBLASTX:Soybean
Start	10168	End	10428
GI	none	Score	148
Exons	10168..10428, 10169..10423		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o1.tc	Method	TBLASTX:Cress
Start	10192	End	10509
GI	none	Score	85
Exons	10192..10335, 10193..10333, 10336..10509		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o2.tw	Method	TBLASTX:Wheat
Start	10216	End	10783
GI	none	Score	343
Exons	10216..10779, 10217..10783		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o2.tm	Method	TBLASTX:Maize
Start	10774	End	11137
GI	none	Score	172
Exons	10774..11136, 10783..11136, 10787..11137		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o3.tw	Method	TBLASTX:Wheat
Start	10786	End	11209
GI	none	Score	345
Exons	10786..11208, 10787..11176, 10826..11209		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o3.ts	Method	TBLASTX:Soybean
Start	10957	End	11202
GI	none	Score	100
Exons	10957..11202, 10958..11200		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o3.tm	Method	TBLASTX:Maize
Start	11173	End	11673
GI	none	Score	50
Exons	11173..11487, 11216..11266, 11294..11347, 11494..11673, 11546..11665		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o5.tw	Method	TBLASTX:Wheat
Start	11215	End	11511
GI	none	Score	260
Exons	11215..11511, 11225..11509		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o1.ts	Method	TBLASTX:Soybean
Start	11224	End	11619
GI	none	Score	184
Exons	11224..11583, 11225..11515, 11546..11590, 11587..11619, 11591..11617		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o4.tw	Method	TBLASTX:Wheat
Start	11560	End	12046
GI	none	Score	258
Exons	11560..11937, 11603..12046, 11992..12042		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o5.tm	Method	TBLASTX:Maize
Start	11741	End	12031
GI	none	Score	185
Exons	11741..12031, 11743..12030		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o8.tw	Method	TBLASTX:Wheat
Start	12142	End	12544
GI	none	Score	68
Exons	12142..12183, 12211..12324, 12212..12325, 12370..12543, 12371..12544		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o7.tm	Method	TBLASTX:Maize
Start	12260	End	12538
GI	none	Score	46
Exons	12260..12352, 12262..12537, 12446..12538		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o7.tw	Method	TBLASTX:Wheat
Start	12808	End	20812
GI	none	Score	109
Exons	12808..13158, 12965..13159, 20516..20812, 20631..20801, 20684..20812		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o6.tm	Method	TBLASTX:Maize
Start	12853	End	20812
GI	none	Score	87
Exons	12853..13158, 13028..13144, 20513..20812, 20709..20801		

Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o9.tw	Method	TBLASTX:Wheat
Start	13193	End	21049
GI	none	Score	105

Exons	13193..13390, 13195..13392, 13405..13452, 20822..20842, 20850..21038, 20852..21049		
Seq. No.	36539	Seq. ID	OJ991118_10.9C29.C2
Gene No.	75173	Strand	-
Start	21247	End	22461
Name	OJ991118_10.9C29.C2.o8.gs	Method	GENSCAN
Start	21247	End	22461
GI	none	Score	.66
Exons	21247..22461		
Seq. No.	36540	Seq. ID	OJ991118_10.9C29.C3
Gene No.	75174	Strand	+
Start	1	End	1117
Name	OJ991118_10.9C29.C3.o1.np	Method	AAT/NAP
Start	1	End	1117
GI	4680186	Score	95
Exons	1..29, 1057..1117		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	36540	Seq. ID	OJ991118_10.9C29.C3
Gene No.	75175	Strand	-
Start	807	End	1117
Name	OJ991118_10.9C29.C3.o1.gp	Method	AAT/GAP
Start	807	End	1117
GI	uC-osf1cyp033a04b1	Score	557
Exons	807..1117		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75176	Strand	+
Start	1200	End	10482
Name	OJ991118_10.9C29.C4.o1.np	Method	AAT/NAP
Start	1200	End	10482
GI	5902445	Score	2892
Exons	1200..1893, 8056..9197, 9237..10482		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75176	Strand	+
Start	1200	End	10482
Name	OJ991118_10.9C29.C4.o3.gs	Method	GENSCAN
Start	7656	End	10444
GI	none	Score	.7
Exons	7656..9883, 9922..10444		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75177	Strand	+
Start	15773	End	30816
Name	OJ991118_10.9C29.C4.o5.np	Method	AAT/NAP
Start	15773	End	30816
GI	6721512	Score	54
Exons	15773..15808, 17463..17619, 30764..30816		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4

Gene No.	75177	Strand	+
Start	15773	End	30816
Name	OJ991118_10.9C29.C4.o6.gs	Method	GENSCAN
Start	21148	End	28486
GI	none	Score	.59
Exons	21148..21272, 24936..24995, 27390..27512, 27524..27597, 27716..27802, 28356..28486		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75177	Strand	+
Start	15773	End	30816
Name	OJ991118_10.9C29.C4.o6.np	Method	AAT/NAP
Start	29214	End	30816
GI	6478936	Score	592
Exons	29214..29306, 29828..29982, 30277..30664, 30753..30816		
GI Descrip.	(AC011436) putative laccase [Arabidopsis thaliana]		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75177	Strand	+
Start	15773	End	30816
Name	OJ991118_10.9C29.C4.o7.gs	Method	GENSCAN
Start	29217	End	30758
GI	none	Score	.75
Exons	29217..29306, 29828..29982, 30277..30656, 30742..30758		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75178	Strand	-
Start	11099	End	15068
Name	OJ991118_10.9C29.C4.o4.gs	Method	GENSCAN
Start	11099	End	14139
GI	none	Score	.47
Exons	11099..11458, 11525..11624, 11696..11841, 12018..12648, 12827..12885, 12955..13104, 13177..13340, 13542..14139		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75178	Strand	-
Start	11099	End	15068
Name	OJ991118_10.9C29.C4.o2.np	Method	AAT/NAP
Start	11976	End	14180
GI	6721561	Score	1017
Exons	11976..12741, 12827..12885, 12955..13149, 14113..14180		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]"		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75178	Strand	-
Start	11099	End	15068
Name	OJ991118_10.9C29.C4.o3.np	Method	AAT/NAP
Start	12094	End	14139
GI	6721558	Score	265
Exons	12094..12276, 13191..13340, 14040..14139		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75178	Strand	-
Start	11099	End	15068
Name	OJ991118_10.9C29.C4.o4.np	Method	AAT/NAP
Start	13350	End	15068
GI	6721512	Score	79
Exons	13350..13437, 14774..14938, 14966..15068		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o3.tw	Method	TBLASTX:Wheat
Start	502	End	7220
GI	none	Score	131
Exons	502..675, 510..683, 717..962, 719..943, 6765..6947, 6773..6946, 6984..7220, 6986..7210		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o1.tw	Method	TBLASTX:Wheat
Start	1146	End	7868
GI	none	Score	492
Exons	1146..1598, 1149..1601, 1154..1600, 7412..7867, 7413..7868		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o4.ts	Method	TBLASTX:Soybean
Start	1185	End	7817
GI	none	Score	109
Exons	1185..1409, 1416..1550, 7452..7676, 7683..7817		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o1.tm	Method	TBLASTX:Maize
Start	1275	End	7882
GI	none	Score	387
Exons	1275..1631, 1317..1580, 1337..1621, 7542..7868, 7604..7882		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o3.tm	Method	TBLASTX:Maize
Start	1659	End	8204
GI	none	Score	292
Exons	1659..2042, 1709..2038, 7926..8204, 7976..8203		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o2.tw	Method	TBLASTX:Wheat
Start	1715	End	8302
GI	none	Score	419

Exons	1715..2134, 1716..2138, 7878..8300, 7976..8302		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o2.ts	Method	TBLASTX:Soybean
Start	1794	End	8357
GI	none	Score	269
Exons	1794..2174, 1796..1954, 2006..2041, 2060..2164, 7932..8357, 7964..8107		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o7.tw	Method	TBLASTX:Wheat
Start	2286	End	8855
GI	none	Score	168
Exons	2286..2507, 2520..2693, 8447..8674, 8448..8672, 8700..8855, 8790..8855		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o3.ts	Method	TBLASTX:Soybean
Start	2409	End	8954
GI	none	Score	82
Exons	2409..2522, 2535..2792, 2570..2770, 8574..8678, 8703..8954		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o9.tw	Method	TBLASTX:Wheat
Start	2697	End	9152
GI	none	Score	99
Exons	2697..2849, 8895..9152		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o8.tw	Method	TBLASTX:Wheat
Start	5736	End	6134
GI	none	Score	54
Exons	5736..5786, 5787..5900, 5798..5890, 5859..6134, 5873..6133		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o5.tm	Method	TBLASTX:Maize
Start	5781	End	6020
GI	none	Score	191
Exons	5781..6020		
Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o2.tm	Method	TBLASTX:Maize
Start	9357	End	9662

GI	none	Score	344
Exons	9357..9662, 9374..9661		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o4.tw	Method	TBLASTX:Wheat
Start	9357	End	9740
GI	none	Score	358
Exons	9357..9740, 9365..9739		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o6.tw	Method	TBLASTX:Wheat
Start	9884	End	10470
GI	none	Score	307
Exons	9884..10318, 9901..9969, 10015..10119, 10343..10393, 10402..10470		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75179	Strand	-
Start	16481	End	17421
Name	OJ991118_10.9C29.C4.o5.gs	Method	GENSCAN
Start	16481	End	17421
GI	none	Score	.6
Exons	16481..16625, 17285..17421		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75180	Strand	
Start	27926	End	30649
Name	OJ991118_10.9C29.C4.o5.tw	Method	TBLASTX:Wheat
Start	27926	End	30574
GI	none	Score	296
Exons	27926..28045, 30278..30472, 30298..30471, 30475..30558, 30479..30574		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75180	Strand	
Start	27926	End	30649
Name	OJ991118_10.9C29.C4.o1.ts	Method	TBLASTX:Soybean
Start	29882	End	30616
GI	none	Score	111
Exons	29882..29983, 30277..30474, 30278..30472, 30476..30616, 30478..30615		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75180	Strand	
Start	27926	End	30649
Name	OJ991118_10.9C29.C4.o4.tm	Method	TBLASTX:Maize
Start	29906	End	30540
GI	none	Score	67
Exons	29906..29983, 30277..30471, 30278..30472, 30481..30540, 30482..30532		

Seq. No.	36541	Seq. ID	OJ991118_10.9C29.C4
Gene No.	75180	Strand	

Start	27926	End	30649
Name	OJ991118_10.9C29.C4.o1.tc	Method	TBLASTX:Cress
Start	30290	End	30649
GI	none	Score	267
Exons	30290..30535, 30301..30543, 30493..30645, 30497..30649		

Seq. No.	36542	Seq. ID	OJ991118_10.9C29.C5
Gene No.	75181	Strand	+
Start	1	End	1638
Name	OJ991118_10.9C29.C5.o1.np	Method	AAT/NAP
Start	1	End	1638
GI	2347188	Score	635
Exons	1..783, 1511..1638		
GI Descrip.	(AC002338) putative laccase [Arabidopsis thaliana]		

Seq. No.	36542	Seq. ID	OJ991118_10.9C29.C5
Gene No.	75181	Strand	+
Start	1	End	1638
Name	OJ991118_10.9C29.C5.o1.ts	Method	TBLASTX:Soybean
Start	180	End	1545
GI	none	Score	98
Exons	180..308, 312..389, 432..488, 434..514, 528..812, 530..652, 701..787, 1510..1545		

Seq. No.	36542	Seq. ID	OJ991118_10.9C29.C5
Gene No.	75181	Strand	+
Start	1	End	1638
Name	OJ991118_10.9C29.C5.o1.tm	Method	TBLASTX:Maize
Start	392	End	1588
GI	none	Score	67
Exons	392..478, 395..502, 399..494, 504..812, 518..655, 701..784, 714..815, 1509..1586, 1510..1587, 1517..1588		

Seq. No.	36542	Seq. ID	OJ991118_10.9C29.C5
Gene No.	75181	Strand	+
Start	1	End	1638
Name	OJ991118_10.9C29.C5.o1.tc	Method	TBLASTX:Cress
Start	414	End	683
GI	none	Score	58
Exons	414..506, 525..683		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75182	Strand	+
Start	372	End	6250
Name	OJ991118_10.9C29.C6.o1.gs	Method	GENSCAN
Start	372	End	6250
GI	none	Score	.47
Exons	372..447, 2422..2550, 3051..3181, 3353..3760, 5855..6250		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75183	Strand	+
Start	17614	End	19600
Name	OJ991118_10.9C29.C6.o3.gs	Method	GENSCAN
Start	17614	End	19600
GI	none	Score	.57
Exons	17614..17752, 19401..19600		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75183	Strand	+
Start	17614	End	19600
Name	OJ991118_10.9C29.C6.o3.np	Method	AAT/NAP
Start	18444	End	18603
GI	5852181	Score	104
Exons	18444..18603		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75184	Strand	+
Start	19809	End	20328
Name	OJ991118_10.9C29.C6.o4.np	Method	AAT/NAP
Start	19809	End	20328
GI	6539585	Score	136
Exons	19809..19911, 20197..20328		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75185	Strand	+
Start	20453	End	21922
Name	OJ991118_10.9C29.C6.o4.gs	Method	GENSCAN
Start	20453	End	21922
GI	none	Score	.47
Exons	20453..20504, 20841..20940, 21197..21363, 21858..21922		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75186	Strand	+
Start	29878	End	30036
Name	OJ991118_10.9C29.C6.o6.gs	Method	GENSCAN
Start	29878	End	30036
GI	none	Score	.97
Exons	29878..30036		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75187	Strand	-
Start	1648	End	1915
Name	OJ991118_10.9C29.C6.o1.gp	Method	AAT/GAP
Start	1648	End	1915
GI	61605_3.R1084	Score	439
Exons	1648..1915		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75188	Strand	-
Start	2277	End	6369
Name	OJ991118_10.9C29.C6.o1.np	Method	AAT/NAP
Start	2277	End	6369
GI	6063554	Score	695
Exons	2277..2451, 3097..3124, 3445..3645, 3915..4227, 6343..6369		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75189	Strand	-

Start	7748	End	13489
Name	OJ991118_10.9C29.C6.o2.gs	Method	GENSCAN
Start	7748	End	13489
GI	none	Score	.77
Exons	7748..7933, 8711..8792, 8876..9168, 9288..10422, 10467..10830, 10955..11057, 11103..11360, 12222..12396, 13275..13489		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75190	Strand	-
Start	22090	End	29184
Name	OJ991118_10.9C29.C6.o5.gs	Method	GENSCAN
Start	22090	End	29184
GI	none	Score	.73
Exons	22090..22276, 22287..22596, 23868..24225, 25370..25471, 25574..25666, 25740..25952, 26037..26277, 26366..26724, 26870..27119, 27629..27749, 27782..28023, 29129..29184		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75190	Strand	-
Start	22090	End	29184
Name	OJ991118_10.9C29.C6.o5.np	Method	AAT/NAP
Start	22093	End	22572
GI	6498441	Score	455
Exons	22093..22375, 22469..22572		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75190	Strand	-
Start	22090	End	29184
Name	OJ991118_10.9C29.C6.o1.tw	Method	TBLASTX:Wheat
Start	22102	End	22570
GI	none	Score	107
Exons	22102..22227, 22283..22570, 22431..22559		

Seq. No.	36543	Seq. ID	OJ991118_10.9C29.C6
Gene No.	75190	Strand	-
Start	22090	End	29184
Name	OJ991118_10.9C29.C6.o1.tm	Method	TBLASTX:Maize
Start	25737	End	26156
GI	none	Score	101
Exons	25737..25955, 25741..25914, 26070..26156		

Seq. No.	36544	Seq. ID	OJ991118_10.9C29.C7
Gene No.	75191	Strand	+
Start	45	End	186
Name	OJ991118_10.9C29.C7.o1.gs	Method	GENSCAN
Start	45	End	186
GI	none	Score	.46
Exons	45..186		

Seq. No.	36544	Seq. ID	OJ991118_10.9C29.C7
Gene No.	75192	Strand	-
Start	1	End	844
Name	OJ991118_10.9C29.C7.o1.np	Method	AAT/NAP
Start	1	End	844

GI	5852180	Score	148
Exons	1..213, 759..844		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36545	Seq. ID	OJ990808_59.9C23.C1
Gene No.	75193	Strand	+
Start	473	End	942
Name	OJ990808_59.9C23.C1.o1.np	Method	AAT/NAP
Start	473	End	942
GI	2498930	Score	413
Exons	473..536, 704..942		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36545	Seq. ID	OJ990808_59.9C23.C1
Gene No.	75193	Strand	+
Start	473	End	942
Name	OJ990808_59.9C23.C1.o1.gs	Method	GENSCAN
Start	477	End	901
GI	none	Score	.86
Exons	477..536, 704..901		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75194	Strand	+
Start	1421	End	4153
Name	OJ990808_59.9C23.C2.o1.gs	Method	GENSCAN
Start	1421	End	3613
GI	none	Score	.69
Exons	1421..1426, 2584..2970, 2972..3613		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75194	Strand	+
Start	1421	End	4153
Name	OJ990808_59.9C23.C2.o1.np	Method	AAT/NAP
Start	2220	End	4153
GI	6907087	Score	873
Exons	2220..2356, 2538..2773, 2820..3512, 4052..4153		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75195	Strand	+
Start	4619	End	5001
Name	OJ990808_59.9C23.C2.o1.gp	Method	AAT/GAP
Start	4619	End	5001
GI	uC-osf1cyp033a04b1	Score	676
Exons	4619..5001		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75196	Strand	+
Start	8696	End	10860
Name	OJ990808_59.9C23.C2.o3.np	Method	AAT/NAP
Start	8696	End	10860
GI	4325357	Score	350

Exons	8696..9408, 10202..10860		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		
Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75197	Strand	+
Start	11562	End	12326
Name	OJ990808_59.9C23.C2.o4.np	Method	AAT/NAP
Start	11562	End	12326
GI	2501578	Score	401
Exons	11562..11946, 12280..12326		
GI Descrip.	ETHYLENE-INDUCIBLE PROTEIN HEVER gi|2129913|pir||S60047 ethylene-responsive protein 1 - Para rubber tree gi|1209317 (M88254) ethylene-inducible protein [Hevea brasiliensis]		
Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75198	Strand	+
Start	13208	End	28474
Name	OJ990808_59.9C23.C2.o4.gs	Method	GENSCAN
Start	13208	End	16695
GI	none	Score	.4
Exons	13208..13390, 13710..13891, 16141..16334, 16479..16513, 16612..16695		
Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75198	Strand	+
Start	13208	End	28474
Name	OJ990808_59.9C23.C2.o5.np	Method	AAT/NAP
Start	15423	End	18088
GI	6498436	Score	419
Exons	15423..15614, 15663..16174, 16274..16393, 16637..16816, 18057..18088		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75198	Strand	+
Start	13208	End	28474
Name	OJ990808_59.9C23.C2.o5.gs	Method	GENSCAN
Start	17755	End	24092
GI	none	Score	.49
Exons	17755..17873, 19075..19171, 19466..19579, 19671..19755, 19761..20074, 21965..22060, 23225..23516, 23521..23645, 23672..23789, 24082..24092		
Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75198	Strand	+
Start	13208	End	28474
Name	OJ990808_59.9C23.C2.o8.np	Method	AAT/NAP
Start	23471	End	28474
GI	1167523	Score	105
Exons	23471..23491, 28278..28474		
GI Descrip.	(D83003) ORF(AA 1-1338) [Nicotiana tabacum]		
Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75199	Strand	+
Start	29327	End	29581

Name	OJ990808_59.9C23.C2.o5.gp	Method	AAT/GAP
Start	29327	End	29581
GI	61605_3.R1084	Score	390
Exons	29327..29581		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75200	Strand	-
Start	4046	End	6746
Name	OJ990808_59.9C23.C2.o2.gs	Method	GENSCAN
Start	4046	End	6746
GI	none	Score	.44
Exons	4046..4152, 4520..4661, 6717..6746		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75200	Strand	-
Start	4046	End	6746
Name	OJ990808_59.9C23.C2.o2.np	Method	AAT/NAP
Start	4548	End	4752
GI	4680186	Score	244
Exons	4548..4752		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75201	Strand	-
Start	17561	End	18133
Name	OJ990808_59.9C23.C2.o3.gp	Method	AAT/GAP
Start	17561	End	18133
GI	4879016	Score	858
Exons	17561..18133		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75202	Strand	-
Start	18893	End	21492
Name	OJ990808_59.9C23.C2.o6.np	Method	AAT/NAP
Start	18893	End	21492
GI	5295955	Score	542
Exons	18893..19489, 19528..19595, 19674..20086, 20767..20881, 21423..21492		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome. (V01555) [Oryza sativa]		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75203	Strand	-
Start	26745	End	27322
Name	OJ990808_59.9C23.C2.o4.gp	Method	AAT/GAP
Start	26563	End	27322
GI	15121_1.R1084	Score	1446
Exons	26563..27322		
GI Descrip.	'1076732/pir||S53101 9.0e-59 type-1 pathogenesis-related protein - barley >gi_732807_emb_CAA88618_ (Z48728) type-1 pathogenesis-related protein [Hordeum vulgare]'		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75203	Strand	-
Start	26745	End	27322
Name	OJ990808_59.9C23.C2.o6.gs	Method	GENSCAN
Start	26745	End	27275
GI	none	Score	.98
Exons	26745..27275		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75203	Strand	-
Start	26745	End	27322
Name	OJ990808_59.9C23.C2.o7.np	Method	AAT/NAP
Start	26748	End	27275
GI	1076732	Score	688
Exons	26748..27275		
GI Descrip.	type-1 pathogenesis-related protein - barley gi|732807|emb|CAA88618| (Z48728) type-1 pathogenesis-related protein [Hordeum vulgare]		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o1.tc	Method	TBLASTX:Cress
Start	11556	End	11879
GI	none	Score	390
Exons	11556..11867, 11564..11875, 11565..11879		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	11564	End	11884
GI	none	Score	410
Exons	11564..11878, 11565..11879, 11565..11879, 11819..11884		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o2.ts	Method	TBLASTX:Soybean
Start	11564	End	11879
GI	none	Score	386
Exons	11564..11875, 11565..11879, 11565..11879		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	18935	End	27192
GI	none	Score	62
Exons	18935..19075, 26694..26960, 26698..26775, 26764..27006, 27010..27192, 27014..27058, 27018..27191		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	26613	End	27192

GI	none	Score	39
Exons	26613..26654, 26704..26946, 26749..27069, 26760..27077, 26985..27074, 27066..27191, 27115..27192		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	26763	End	27191
GI	none	Score	351
Exons	26763..27191, 26776..27189		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o2.tc	Method	TBLASTX:Cress
Start	26772	End	27191
GI	none	Score	114
Exons	26772..26837, 26844..26912, 26922..26960, 27013..27186, 27021..27191		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o9.np	Method	AAT/NAP
Start	29953	End	32044
GI	6063554	Score	333
Exons	29953..30123, 30759..30799, 31148..31347, 31785..32044		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o8.gs	Method	GENSCAN
Start	30127	End	30325
GI	none	Score	.52
Exons	30127..30209, 30238..30325		

Seq. No.	36546	Seq. ID	OJ990808_59.9C23.C2
Gene No.	75204	Strand	-
Start	30127	End	32044
Name	OJ990808_59.9C23.C2.o9.gs	Method	GENSCAN
Start	30731	End	31687
GI	none	Score	.79
Exons	30731..30790, 31129..31327, 31335..31454, 31540..31687		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75205	Strand	+
Start	3405	End	8370
Name	OJ990808_59.9C23.C3.o2.np	Method	AAT/NAP
Start	3405	End	8370
GI	6815097	Score	82
Exons	3405..3489, 8106..8370		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75206	Strand	+
Start	15001	End	18793
Name	OJ990808_59.9C23.C3.o1.gp	Method	AAT/GAP
Start	15001	End	16514
GI	2310235	Score	302
Exons	15001..15038, 15446..15585, 16462..16514		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75206	Strand	+
Start	15001	End	18793
Name	OJ990808_59.9C23.C3.o3.np	Method	AAT/NAP
Start	15446	End	18756
GI	4680203	Score	3220
Exons	15446..17118, 17272..17502, 17779..18756		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75206	Strand	+
Start	15001	End	18793
Name	OJ990808_59.9C23.C3.o4.gs	Method	GENSCAN
Start	15446	End	18777
GI	none	Score	.85
Exons	15446..16565, 16595..16942, 17183..18351, 18376..18777		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75206	Strand	+
Start	15001	End	18793
Name	OJ990808_59.9C23.C3.o2.gp	Method	AAT/GAP
Start	15450	End	18793
GI	342_1.R1084	Score	5715
Exons	15450..18793		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75207	Strand	-
Start	1245	End	9406
Name	OJ990808_59.9C23.C3.o1.np	Method	AAT/NAP
Start	1245	End	9406
GI	6691193	Score	416
Exons	1245..1274, 3091..3500, 3597..3966, 9364..9406		
GI Descrip.	(AC007534) F7E22.17 [Arabidopsis thaliana]		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75207	Strand	-
Start	1245	End	9406
Name	OJ990808_59.9C23.C3.o2.gs	Method	GENSCAN
Start	2822	End	6201
GI	none	Score	.55
Exons	2822..3280, 3637..3788, 5283..5385, 5893..6201		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75207	Strand	-

Start	1245	End	9406
Name	OJ990808_59.9C23.C3.o3.tc	Method	TBLASTX:Cress
Start	3290	End	3638
GI	none	Score	64
Exons	3290..3529, 3291..3422, 3594..3638		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75207	Strand	-
Start	1245	End	9406
Name	OJ990808_59.9C23.C3.o5.tw	Method	TBLASTX:Wheat
Start	3386	End	3855
GI	none	Score	88
Exons	3386..3514, 3594..3647, 3670..3855, 3671..3850, 3685..3852		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75208	Strand	
Start	15797	End	16148
Name	OJ990808_59.9C23.C3.o4.tw	Method	TBLASTX:Wheat
Start	15797	End	16148
GI	none	Score	89
Exons	15797..15904, 15887..16138, 15895..16137, 15897..16148		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75209	Strand	
Start	16069	End	16941
Name	OJ990808_59.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	16069	End	16498
GI	none	Score	103
Exons	16069..16152, 16070..16144, 16145..16207, 16202..16498, 16256..16480		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75209	Strand	
Start	16069	End	16941
Name	OJ990808_59.9C23.C3.o2.tc	Method	TBLASTX:Cress
Start	16231	End	16546
GI	none	Score	289
Exons	16231..16383, 16238..16546, 16423..16518		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75209	Strand	
Start	16069	End	16941
Name	OJ990808_59.9C23.C3.o2.tm	Method	TBLASTX:Maize
Start	16319	End	16546
GI	none	Score	238
Exons	16319..16513, 16340..16546, 16420..16521		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75209	Strand	
Start	16069	End	16941
Name	OJ990808_59.9C23.C3.o2.tw	Method	TBLASTX:Wheat
Start	16367	End	16835
GI	none	Score	66
Exons	16367..16420, 16375..16419, 16421..16525, 16432..16521, 16539..16625, 16540..16626, 16606..16830, 16626..16835, 16629..16835		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75209	Strand	
Start	16069	End	16941
Name	OJ990808_59.9C23.C3.o3.tm	Method	TBLASTX:Maize
Start	16549	End	16869
GI	none	Score	112
Exons	16549..16665, 16675..16869		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75209	Strand	
Start	16069	End	16941
Name	OJ990808_59.9C23.C3.o2.ts	Method	TBLASTX:Soybean
Start	16699	End	16941
GI	none	Score	201
Exons	16699..16941		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75210	Strand	
Start	16974	End	17384
Name	OJ990808_59.9C23.C3.o3.tw	Method	TBLASTX:Wheat
Start	16974	End	17384
GI	none	Score	74
Exons	16974..17015, 16975..17022, 17047..17265, 17064..17225, 17298..17384, 17299..17379		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75211	Strand	
Start	17385	End	18702
Name	OJ990808_59.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	17385	End	18702
GI	none	Score	309
Exons	17385..18008, 17385..18287, 17386..18303, 17971..18288, 18298..18342, 18302..18337, 18345..18440, 18349..18408, 18414..18527, 18415..18528, 18541..18621, 18610..18702		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75211	Strand	
Start	17385	End	18702
Name	OJ990808_59.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	17428	End	17742
GI	none	Score	300
Exons	17428..17742, 17439..17714, 17512..17742		

Seq. No.	36547	Seq. ID	OJ990808_59.9C23.C3
Gene No.	75211	Strand	
Start	17385	End	18702
Name	OJ990808_59.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	17673	End	18120
GI	none	Score	144
Exons	17673..18008, 17673..18116, 17677..18120, 17971..18120		

Seq. No.	36548	Seq. ID	OJ990808_59.9C23.C4
Gene No.	75212	Strand	+
Start	1317	End	4373
Name	OJ990808_59.9C23.C4.o1.gs	Method	GENSCAN
Start	1317	End	4373
GI	none	Score	.52

Exons	1317..1485, 1512..2444, 2474..3010, 3284..3596, 3702..4002, 4176..4373		
Seq. No.	36548	Seq. ID	OJ990808_59.9C23.C4
Gene No.	75213	Strand	+
Start	4916	End	5995
Name	OJ990808_59.9C23.C4.o1.np	Method	AAT/NAP
Start	4916	End	5995
GI	629693	Score	130
Exons	4916..5011, 5662..5995		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	36548	Seq. ID	OJ990808_59.9C23.C4
Gene No.	75214	Strand	-
Start	5214	End	5390
Name	OJ990808_59.9C23.C4.o2.gs	Method	GENSCAN
Start	5214	End	5390
GI	none	Score	.99
Exons	5214..5390		
Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75215	Strand	+
Start	1	End	5868
Name	OJ990808_59.9C23.C5.o1.np	Method	AAT/NAP
Start	1	End	4594
GI	4680179	Score	5529
Exons	1..118, 407..1165, 1193..4594		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75215	Strand	+
Start	1	End	5868
Name	OJ990808_59.9C23.C5.o1.gs	Method	GENSCAN
Start	377	End	5868
GI	none	Score	.78
Exons	377..522, 547..4536, 4931..4984, 5181..5868		
Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75216	Strand	+
Start	6555	End	10352
Name	OJ990808_59.9C23.C5.o2.gs	Method	GENSCAN
Start	6555	End	10352
GI	none	Score	.58
Exons	6555..6557, 8121..8840, 9183..9377, 9482..9489, 10217..10352		
Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75217	Strand	-
Start	10119	End	10504
Name	OJ990808_59.9C23.C5.o1.gp	Method	AAT/GAP
Start	10119	End	10504
GI	uC-osflcyp033a04b1	Score	637
Exons	10119..10504		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5

Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o9.tw	Method	TBLASTX:Wheat
Start	406	End	16864
GI	none	Score	135
Exons	406..534, 407..535, 9345..9428, 16665..16862, 16667..16864		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o7.tw	Method	TBLASTX:Wheat
Start	586	End	16631
GI	none	Score	304
Exons	586..759, 587..937, 735..803, 16280..16630, 16437..16631		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o6.tm	Method	TBLASTX:Maize
Start	587	End	16630
GI	none	Score	246
Exons	587..892, 16325..16630, 16452..16616		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o7.tm	Method	TBLASTX:Maize
Start	1217	End	16000
GI	none	Score	172
Exons	1217..1537, 1264..1335, 15647..16000		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o8.tw	Method	TBLASTX:Wheat
Start	1220	End	15964
GI	none	Score	144
Exons	1220..1411, 1270..1386, 1475..1594, 1480..1593, 15596..15709, 15597..15710, 15755..15964, 15756..15908		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o4.tw	Method	TBLASTX:Wheat
Start	1756	End	15431
GI	none	Score	535
Exons	1756..2196, 1757..2239, 1760..2236, 14945..15322, 14988..15431, 15377..15427		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	1766	End	15416
GI	none	Score	332
Exons	1766..2056, 1768..2058, 15126..15416, 15128..15415		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o4.ts	Method	TBLASTX:Soybean
Start	1793	End	15322
GI	none	Score	198
Exons	1793..2107, 15077..15322		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	2126	End	15058
GI	none	Score	117
Exons	2126..2269, 2134..2259, 2324..2626, 2377..2505, 14558..14872, 14601..14651, 14679..14732, 14879..15058, 14928..15050		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	2180	End	15004
GI	none	Score	57
Exons	2180..2212, 2180..2212, 2216..2260, 2218..2259, 2324..2575, 2332..2565, 14606..14968, 14607..14900, 14928..14966, 14972..15004, 14973..15002		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o5.tw	Method	TBLASTX:Wheat
Start	2327	End	14896
GI	none	Score	373
Exons	2327..2590, 2329..2589, 14594..14896, 14610..14894		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o3.tw	Method	TBLASTX:Wheat
Start	2591	End	14593
GI	none	Score	603
Exons	2591..3016, 2593..3009, 2666..3016, 14171..14593, 14172..14561		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	2600	End	14587
GI	none	Score	204
Exons	2600..2845, 14342..14587, 14343..14570		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	2663	End	14522
GI	none	Score	463

Exons 2663..3016, 2668..3009, 14159..14521, 14168..14521, 14172..14522

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	3044	End	14168
GI	none	Score	633
Exons	3044..3583, 3226..3276, 3328..3579, 13601..14137, 13605..14168		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	3281	End	13894
GI	none	Score	90
Exons	3281..3463, 3464..3607, 3466..3606, 13577..13720, 13578..13718, 13721..13894		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	3371	End	13813
GI	none	Score	301
Exons	3371..3631, 3382..3630, 13552..13683, 13553..13813, 13554..13808		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	3429	End	13755
GI	none	Score	79
Exons	3429..3530, 3430..3717, 3431..3721, 13463..13753, 13467..13754, 13567..13755		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	3590	End	13594
GI	none	Score	725
Exons	3590..4216, 3593..3937, 3649..4095, 4156..4215, 12968..13594, 12971..13093, 13080..13538		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	3769	End	13414
GI	none	Score	229
Exons	3769..3924, 3770..3931, 3784..3933, 3928..4092, 3929..4354, 4088..4333, 4156..4353, 12815..13255, 12831..13256, 13253..13414, 13260..13406		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-

Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o6.tw	Method	TBLASTX:Wheat
Start	4216	End	12968
GI	none	Score	312
Exons	4216..4497, 4217..4549, 12635..12967, 12656..12964, 12699..12968		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o2.np	Method	AAT/NAP
Start	12590	End	17089
GI	4680179	Score	5434
Exons	12590..15991, 16025..17089		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o3.np	Method	AAT/NAP
Start	16326	End	18144
GI	4512231	Score	167
Exons	16326..16379, 17574..18144		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o3.gp	Method	AAT/GAP
Start	17415	End	17869
GI	95437_1.R1084	Score	774
Exons	17415..17869		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	36549	Seq. ID	OJ990808_59.9C23.C5
Gene No.	75218	Strand	-
Start	12590	End	18144
Name	OJ990808_59.9C23.C5.o5.gs	Method	GENSCAN
Start	17569	End	18144
GI	none	Score	.51
Exons	17569..18144		

Seq. No.	36550	Seq. ID	OJ990808_59.9C23.C6
Gene No.	75219	Strand	+
Start	1	End	836
Name	OJ990808_59.9C23.C6.o1.np	Method	AAT/NAP
Start	1	End	836
GI	6598399	Score	570
Exons	1..836		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	36550	Seq. ID	OJ990808_59.9C23.C6
Gene No.	75219	Strand	+
Start	1	End	836
Name	OJ990808_59.9C23.C6.o1.tw	Method	TBLASTX:Wheat

Start	15	End	369
GI	none	Score	404
Exons	15..365, 16..369, 178..366		

Seq. No.	36550	Seq. ID	OJ990808_59.9C23.C6
Gene No.	75219	Strand	+
Start	1	End	836
Name	OJ990808_59.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	19	End	438
GI	none	Score	105
Exons	19..222, 220..438		

Seq. No.	36550	Seq. ID	OJ990808_59.9C23.C6
Gene No.	75219	Strand	+
Start	1	End	836
Name	OJ990808_59.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	97	End	465
GI	none	Score	335
Exons	97..465, 102..251, 321..446		

Seq. No.	36551	Seq. ID	OJ990808_59.9C23.C7
Gene No.	75220	Strand	-
Start	95	End	336
Name	OJ990808_59.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	93	End	336
GI	none	Score	47
Exons	93..335, 94..147, 226..336		

Seq. No.	36551	Seq. ID	OJ990808_59.9C23.C7
Gene No.	75220	Strand	-
Start	95	End	336
Name	OJ990808_59.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	93	End	336
GI	none	Score	95
Exons	93..329, 93..335, 199..336		

Seq. No.	36551	Seq. ID	OJ990808_59.9C23.C7
Gene No.	75220	Strand	-
Start	95	End	336
Name	OJ990808_59.9C23.C7.o1.gs	Method	GENSCAN
Start	95	End	244
GI	none	Score	.71
Exons	95..244		

Seq. No.	36552	Seq. ID	OJ990808_59.9C23.C8
Gene No.	75221	Strand	+
Start	134	End	193
Name	OJ990808_59.9C23.C8.o1.gs	Method	GENSCAN
Start	134	End	193
GI	none	Score	.5
Exons	134..193		

Seq. No.	36552	Seq. ID	OJ990808_59.9C23.C8
Gene No.	75222	Strand	-
Start	751	End	2245
Name	OJ990808_59.9C23.C8.o2.gs	Method	GENSCAN
Start	751	End	2245

GI	none	Score	.46
Exons	751..779, 876..1001, 2185..2245		

Seq. No.	36553	Seq. ID	OJ990808_59.9C23.C9
Gene No.	75223	Strand	+
Start	10554	End	10629
Name	OJ990808_59.9C23.C9.o2.gp	Method	AAT/GAP
Start	10554	End	10629
GI	LIB3431-028-P1-N1-A10	Score	96
Exons	10554..10629		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	36553	Seq. ID	OJ990808_59.9C23.C9
Gene No.	75224	Strand	-
Start	200	End	3338
Name	OJ990808_59.9C23.C9.o1.gs	Method	GENSCAN
Start	200	End	3338
GI	none	Score	.77
Exons	200..257, 332..512, 1990..2016, 2717..3338		

Seq. No.	36553	Seq. ID	OJ990808_59.9C23.C9
Gene No.	75225	Strand	-
Start	4266	End	11369
Name	OJ990808_59.9C23.C9.o2.gs	Method	GENSCAN
Start	4266	End	11369
GI	none	Score	.73
Exons	4266..4448, 4528..4626, 4729..4792, 5082..5255, 5367..5823, 5844..6051, 6053..6174, 6300..6441, 6537..6656, 6702..7195, 7241..7733, 8800..9002, 9014..9660, 10865..10932, 11220..11369		

Seq. No.	36553	Seq. ID	OJ990808_59.9C23.C9
Gene No.	75225	Strand	-
Start	4266	End	11369
Name	OJ990808_59.9C23.C9.o1.np	Method	AAT/NAP
Start	4276	End	7748
GI	4680204	Score	568
Exons	4276..4418, 4768..4987, 5082..5255, 5367..6441, 6537..7748		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	36553	Seq. ID	OJ990808_59.9C23.C9
Gene No.	75225	Strand	-
Start	4266	End	11369
Name	OJ990808_59.9C23.C9.o1.gp	Method	AAT/GAP
Start	5467	End	5944
GI	uC-osf1cyp176f10b1	Score	817
Exons	5467..5944		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	36553	Seq. ID	OJ990808_59.9C23.C9
Gene No.	75225	Strand	-
Start	4266	End	11369
Name	OJ990808_59.9C23.C9.o1.tw	Method	TBLASTX:Wheat
Start	6229	End	6948
GI	none	Score	71

Exons	6229..6447, 6531..6605, 6870..6947, 6895..6948		
Seq. No.	36554	Seq. ID	OJ990808_49.9C06.C1
Gene No.	75226	Strand	+
Start	132	End	5972
Name	OJ990808_49.9C06.C1.o1.gs	Method	GENSCAN
Start	132	End	5328
GI	none	Score	.64
Exons	132..524, 625..728, 1062..1316, 1594..1776, 1964..2092, 2472..2529, 2611..3210, 3588..3760, 4673..4753, 5007..5100, 5264..5328		
Seq. No.	36554	Seq. ID	OJ990808_49.9C06.C1
Gene No.	75226	Strand	+
Start	132	End	5972
Name	OJ990808_49.9C06.C1.o1.gp	Method	AAT/GAP
Start	3675	End	5972
GI	none	Score	882
Exons	3675..3760, 4530..4568, 4673..4753, 5007..5144, 5354..5470, 5922..5972		
Seq. No.	36554	Seq. ID	OJ990808_49.9C06.C1
Gene No.	75227	Strand	-
Start	6139	End	6221
Name	OJ990808_49.9C06.C1.o1.tm	Method	TBLASTX:Maize
Start	843	End	1235
GI	none	Score	104
Exons	843..929, 844..921, 845..922, 849..929, 1057..1167, 1061..1234, 1062..1235		
Seq. No.	36554	Seq. ID	OJ990808_49.9C06.C1
Gene No.	75227	Strand	-
Start	6139	End	6221
Name	OJ990808_49.9C06.C1.o1.ts	Method	TBLASTX:Soybean
Start	1967	End	3053
GI	none	Score	64
Exons	1967..2026, 2829..3053, 2834..3043		
Seq. No.	36554	Seq. ID	OJ990808_49.9C06.C1
Gene No.	75227	Strand	-
Start	6139	End	6221
Name	OJ990808_49.9C06.C1.o2.gs	Method	GENSCAN
Start	6139	End	6221
GI	none	Score	.78
Exons	6139..6221		
Seq. No.	36555	Seq. ID	OJ990808_49.9C06.C2
Gene No.	75228	Strand	+
Start	58	End	1923
Name	OJ990808_49.9C06.C2.o1.gs	Method	GENSCAN
Start	58	End	1923
GI	none	Score	.77
Exons	58..253, 325..423, 1201..1923		
Seq. No.	36555	Seq. ID	OJ990808_49.9C06.C2
Gene No.	75229	Strand	+
Start	2576	End	3311

Name	OJ990808_49.9C06.C2.o1.gp	Method	AAT/GAP
Start	2576	End	3311
GI	none	Score	800
Exons	2576..2633, 2948..3311		

Seq. No.	36555	Seq. ID	OJ990808_49.9C06.C2
Gene No.	75230	Strand	-
Start	2749	End	3684
Name	OJ990808_49.9C06.C2.o2.tm	Method	TBLASTX:Maize
Start	174	End	413
GI	none	Score	184
Exons	174..365, 178..366, 179..367, 369..413		

Seq. No.	36555	Seq. ID	OJ990808_49.9C06.C2
Gene No.	75230	Strand	-
Start	2749	End	3684
Name	OJ990808_49.9C06.C2.o1.tm	Method	TBLASTX:Maize
Start	1199	End	1524
GI	none	Score	52
Exons	1199..1231, 1201..1233, 1214..1285, 1238..1282, 1285..1374, 1312..1449, 1341..1448, 1433..1522, 1434..1523, 1435..1524, 1444..1524		

Seq. No.	36555	Seq. ID	OJ990808_49.9C06.C2
Gene No.	75230	Strand	-
Start	2749	End	3684
Name	OJ990808_49.9C06.C2.o3.tm	Method	TBLASTX:Maize
Start	2248	End	2542
GI	none	Score	151
Exons	2248..2409, 2262..2414, 2416..2454, 2421..2456, 2423..2455, 2453..2533, 2453..2509, 2486..2542, 2507..2539		

Seq. No.	36555	Seq. ID	OJ990808_49.9C06.C2
Gene No.	75230	Strand	-
Start	2749	End	3684
Name	OJ990808_49.9C06.C2.o2.gs	Method	GENSCAN
Start	2749	End	3684
GI	none	Score	.75
Exons	2749..2846, 3067..3209, 3578..3684		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75231	Strand	+
Start	1	End	5830
Name	OJ990808_49.9C06.C4.o1.np	Method	AAT/NAP
Start	1	End	3054
GI	6636332	Score	895
Exons	1..126, 582..649, 784..925, 1288..1404, 1585..1710, 2619..2702, 2794..2873, 2961..3054		
GI Descrip.	(AF208261) vacuolar ATP synthase subunit C [Arabidopsis thaliana]		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75231	Strand	+
Start	1	End	5830
Name	OJ990808_49.9C06.C4.o1.gs	Method	GENSCAN
Start	58	End	1961
GI	none	Score	.93

Exons	58..126, 582..649, 784..925, 1288..1404, 1932..1961		
Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75231	Strand	+
Start	1	End	5830
Name	OJ990808_49.9C06.C4.o1.gp	Method	AAT/GAP
Start	591	End	3196
GI	35337_1.R1084	Score	1279
Exons	591..649, 784..925, 1288..1404, 1585..1710, 2619..2702, 2794..2873, 2961..3007, 3089..3196		
GI Descrip.	'1213460 3.0e-44 (U03374) C subunit of V-ATPase [Amblyomma americanum]'		
Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75231	Strand	+
Start	1	End	5830
Name	OJ990808_49.9C06.C4.o2.gp	Method	AAT/GAP
Start	2987	End	3465
GI	none	Score	870
Exons	2987..3465		
Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75231	Strand	+
Start	1	End	5830
Name	OJ990808_49.9C06.C4.o2.np	Method	AAT/NAP
Start	3118	End	5665
GI	4914402	Score	1116
Exons	3118..3148, 4577..5665		
GI Descrip.	(AL050352) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75231	Strand	+
Start	1	End	5830
Name	OJ990808_49.9C06.C4.o2.gs	Method	GENSCAN
Start	3633	End	5668
GI	none	Score	.99
Exons	3633..3716, 4379..5668		
Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75231	Strand	+
Start	1	End	5830
Name	OJ990808_49.9C06.C4.o3.gp	Method	AAT/GAP
Start	5137	End	5830
GI	53027_1.R1084	Score	1352
Exons	5137..5830		
GI Descrip.	'4914402/emb|CAB43653.1| 2.0e-51 (AL050352) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75232	Strand	+
Start	6284	End	12089
Name	OJ990808_49.9C06.C4.o3.gs	Method	GENSCAN
Start	6284	End	12086
GI	none	Score	.79
Exons	6284..6357, 8916..9147, 9187..9254, 9411..9921, 10022..10348, 10446..10551, 10763..10863, 11170..11254, 11740..12086		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75232	Strand	+
Start	6284	End	12089
Name	OJ990808_49.9C06.C4.o3.np	Method	AAT/NAP
Start	9692	End	12089
GI	3914239	Score	855
Exons	9692..9921, 10022..10348, 10446..10551, 11740..12089		
GI Descrip.	PROTEIN PHOSPHATASE 2C ABI2 (PP2C) gi|1945140|emb|CAA70163| (Y08966) ABI2 protein phosphatase 2C [Arabidopsis thaliana] gi|1945142|emb|CAA70162| (Y08965) ABI2 protein phosphatase 2C [Arabidopsis thaliana] gi|2564213|emb|CAA72538| (Y11840) ABI2 [Arabidopsis thaliana]		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75232	Strand	+
Start	6284	End	12089
Name	OJ990808_49.9C06.C4.o4.gp	Method	AAT/GAP
Start	10026	End	11779
GI	LIB3432-025-P1-K1-F10	Score	818
Exons	10026..10348, 10446..10551, 11741..11779		
GI Descrip.	'3242077/emb|CAA05875| 2.0e-34 (AJ003119) protein phosphatase 2C [Arabidopsis thaliana]'		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75233	Strand	+
Start	16249	End	20029
Name	OJ990808_49.9C06.C4.o5.gp	Method	AAT/GAP
Start	16249	End	16740
GI	none	Score	984
Exons	16249..16740		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75233	Strand	+
Start	16249	End	20029
Name	OJ990808_49.9C06.C4.o4.np	Method	AAT/NAP
Start	16352	End	20029
GI	6143896	Score	1864
Exons	16352..16768, 16829..17221, 17291..18897, 18993..19100, 19185..19285, 19377..19467, 19531..19641, 19730..20029		
GI Descrip.	(AC010718) putative translation initiation factor IF-2 [Arabidopsis thaliana]		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75233	Strand	+
Start	16249	End	20029
Name	OJ990808_49.9C06.C4.o7.gp	Method	AAT/GAP
Start	17803	End	18172
GI	3760378	Score	673
Exons	17803..18172		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o5.ts	Method	TBLASTX:Soybean
Start	16	End	2873
GI	none	Score	157
Exons	16..129, 18..128, 540..647, 576..647, 750..905, 781..939,		

782..928, 1267..1407, 1287..1403, 1297..1404, 1582..1713, 2616..2702, 2618..2701, 2794..2856, 2799..2873

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o7.tm	Method	TBLASTX:Maize
Start	573	End	1391
GI	none	Score	59
Exons	573..623, 576..620, 623..652, 781..927, 782..928, 782..928, 783..929, 1286..1384, 1287..1388, 1287..1391, 1288..1389		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o7.tc	Method	TBLASTX:Cress
Start	788	End	3078
GI	none	Score	135
Exons	788..925, 823..939, 824..928, 1267..1407, 1275..1406, 1582..1713, 2616..2702, 2616..2684, 2618..2701, 2794..2871, 2799..2849, 2926..3078		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o6.tm	Method	TBLASTX:Maize
Start	1580	End	3247
GI	none	Score	147
Exons	1580..1711, 1580..1711, 1581..1712, 1582..1713, 2616..2702, 2617..2700, 2618..2701, 2792..2872, 2793..2873, 2794..2871, 2959..3087, 2959..3093, 3224..3247		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o1.ts	Method	TBLASTX:Soybean
Start	4496	End	5671
GI	none	Score	1246
Exons	4496..4516, 4594..4716, 4595..5671, 4780..4950, 4996..5211, 5263..5511, 5596..5664		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o1.tm	Method	TBLASTX:Maize
Start	4606	End	5686
GI	none	Score	471
Exons	4606..4971, 4607..4972, 4964..5155, 4987..5154, 5146..5514, 5147..5560, 5555..5686, 5581..5685		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o3.tc	Method	TBLASTX:Cress
Start	4655	End	4915
GI	none	Score	299
Exons	4655..4915, 4825..4914		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o1.tw	Method	TBLASTX:Wheat
Start	4724	End	9818
GI	none	Score	1117
Exons	4724..5575, 4780..5508, 5555..5671, 5581..5676, 5581..5670, 5609..5704, 9756..9818		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o1.tc	Method	TBLASTX:Cress
Start	4976	End	5680
GI	none	Score	317
Exons	4976..5245, 5005..5226, 5198..5557, 5287..5511, 5582..5680, 5587..5655		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o2.tc	Method	TBLASTX:Cress
Start	9702	End	12086
GI	none	Score	137
Exons	9702..9815, 9706..9837, 9847..9924, 10019..10096, 10133..10186, 10163..10348, 10174..10347, 10220..10351, 10443..10553, 10445..10552, 10446..10553, 11708..11911, 11717..11911, 11739..11912, 11945..12079, 11988..12086		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o4.ts	Method	TBLASTX:Soybean
Start	9703	End	9924
GI	none	Score	210
Exons	9703..9915, 9706..9924		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o3.tm	Method	TBLASTX:Maize
Start	9766	End	12107
GI	none	Score	211
Exons	9766..9924, 9766..9912, 10018..10251, 10019..10201, 10207..10362, 10208..10348, 10443..10487, 10445..10486, 10473..10553, 10480..10554, 10484..10552, 10485..10553, 11717..11911, 11739..11912, 11948..12079, 11949..12107, 11959..12081, 11991..12086		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o6.ts	Method	TBLASTX:Soybean
Start	10133	End	10553
GI	none	Score	49
Exons	10133..10180, 10219..10368, 10221..10286, 10280..10348,		

10443..10553

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o3.ts	Method	TBLASTX:Soybean
Start	11763	End	12038
GI	none	Score	209
Exons	11763..11912, 11765..11911, 11806..11913, 11951..12037, 11988..12038		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75234	Strand	-
Start	16817	End	17576
Name	OJ990808_49.9C06.C4.o6.gp	Method	AAT/GAP
Start	16817	End	17576
GI	none	Score	1472
Exons	16817..17576		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75235	Strand	
Start	17893	End	18280
Name	OJ990808_49.9C06.C4.o5.tm	Method	TBLASTX:Maize
Start	17893	End	18280
GI	none	Score	381
Exons	17893..18087, 17894..18178, 17987..18205, 18114..18173, 18212..18280		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75236	Strand	
Start	18379	End	18825
Name	OJ990808_49.9C06.C4.o4.tm	Method	TBLASTX:Maize
Start	18379	End	18729
GI	none	Score	432
Exons	18379..18729, 18395..18457, 18472..18729		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75236	Strand	
Start	18379	End	18825
Name	OJ990808_49.9C06.C4.o6.tc	Method	TBLASTX:Cress
Start	18517	End	18825
GI	none	Score	129
Exons	18517..18642, 18519..18641, 18706..18825, 18729..18821		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75237	Strand	
Start	18739	End	19814
Name	OJ990808_49.9C06.C4.o2.ts	Method	TBLASTX:Soybean
Start	18739	End	19795
GI	none	Score	95
Exons	18739..18798, 18744..18800, 18790..18900, 18797..18898, 18798..18899, 18983..19096, 18990..19097, 18990..19100, 19164..19283, 19183..19290, 19184..19291, 19350..19463, 19363..19494, 19528..19641, 19548..19643, 19549..19641, 19723..19794, 19724..19795		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4

Gene No.	75237	Strand	
Start	18739	End	19814
Name	OJ990808_49.9C06.C4.o2.tm	Method	TBLASTX:Maize
Start	18806	End	19814
GI	none	Score	84
Exons	18806..18898, 18807..18899, 18807..18908, 18808..18900, 18823..18909, 18983..19099, 18990..19103, 19164..19283, 19178..19291, 19347..19466, 19363..19494, 19528..19641, 19528..19641, 19530..19643, 19724..19795, 19724..19795, 19728..19814, 19728..19796		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75237	Strand	
Start	18739	End	19814
Name	OJ990808_49.9C06.C4.o2.tw	Method	TBLASTX:Wheat
Start	18815	End	19608
GI	none	Score	76
Exons	18815..18898, 18816..18899, 18816..18908, 18817..18900, 18983..19099, 18990..19103, 18990..19103, 19157..19285, 19182..19283, 19186..19290, 19349..19465, 19350..19466, 19363..19494, 19528..19608, 19528..19608		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75237	Strand	
Start	18739	End	19814
Name	OJ990808_49.9C06.C4.o4.tc	Method	TBLASTX:Cress
Start	18825	End	19392
GI	none	Score	95
Exons	18825..18899, 18826..18900, 18990..19103, 18992..19093, 19164..19283, 19184..19291, 19363..19392		

Seq. No.	36556	Seq. ID	OJ990808_49.9C06.C4
Gene No.	75237	Strand	
Start	18739	End	19814
Name	OJ990808_49.9C06.C4.o5.tc	Method	TBLASTX:Cress
Start	19528	End	19794
GI	none	Score	175
Exons	19528..19641, 19528..19635, 19729..19794, 19730..19792		

Seq. No.	36557	Seq. ID	OJ990808_49.9C06.C5
Gene No.	75238	Strand	-
Start	1	End	644
Name	OJ990808_49.9C06.C5.o1.np	Method	AAT/NAP
Start	1	End	644
GI	2498930	Score	757
Exons	1..416, 584..644		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36558	Seq. ID	OJ990808_49.9C06.C6
Gene No.	75239	Strand	-
Start	1	End	489
Name	OJ990808_49.9C06.C6.o1.np	Method	AAT/NAP
Start	1	End	489
GI	3021357	Score	144
Exons	1..74, 202..342, 461..489		
GI Descrip.	(AJ005082) UDP-galactose 4-epimerase [Cyamopsis tetragonoloba]		

Seq. No.	36558	Seq. ID	OJ990808_49.9C06.C6
Gene No.	75239	Strand	-
Start	1	End	489
Name	OJ990808_49.9C06.C6.o1.tm	Method	TBLASTX:Maize
Start	201	End	363
GI	none	Score	153
Exons	201..341, 208..363, 238..363		

Seq. No.	36558	Seq. ID	OJ990808_49.9C06.C6
Gene No.	75239	Strand	-
Start	1	End	489
Name	OJ990808_49.9C06.C6.o1.ts	Method	TBLASTX:Soybean
Start	201	End	377
GI	none	Score	151
Exons	201..341, 202..339, 210..377		

Seq. No.	36558	Seq. ID	OJ990808_49.9C06.C6
Gene No.	75239	Strand	-
Start	1	End	489
Name	OJ990808_49.9C06.C6.o1.gs	Method	GENSCAN
Start	204	End	339
GI	none	Score	99
Exons	204..339		

Seq. No.	36558	Seq. ID	OJ990808_49.9C06.C6
Gene No.	75239	Strand	-
Start	1	End	489
Name	OJ990808_49.9C06.C6.o1.tc	Method	TBLASTX:Cress
Start	208	End	341
GI	none	Score	123
Exons	208..339, 210..341		

Seq. No.	36559	Seq. ID	OJ990808_49.9C06.C7
Gene No.	75240	Strand	-
Start	1	End	163
Name	OJ990808_49.9C06.C7.o1.gp	Method	AAT/GAP
Start	1	End	163
GI	jC-osleLIB3474037g11a1	Score	278
Exons	1..163		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	36559	Seq. ID	OJ990808_49.9C06.C7
Gene No.	75241	Strand	-
Start	233	End	415
Name	OJ990808_49.9C06.C7.o2.gp	Method	AAT/GAP
Start	233	End	415
GI	none	Score	221
Exons	233..293, 347..415		

Seq. No.	36560	Seq. ID	OJ990808_49.9C06.C8
Gene No.	75242	Strand	-
Start	560	End	657
Name	OJ990808_49.9C06.C8.o1.gs	Method	GENSCAN
Start	560	End	657
GI	none	Score	.48

Exons	560..657		
Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o1.gs	Method	GENSCAN
Start	9	End	4993
GI	none	Score	.68
Exons	9..280, 2390..2450, 2549..2631, 2767..2893, 2966..3064, 3249..3268, 3349..3410, 3503..3573, 3656..3751, 3885..4033, 4122..4191, 4768..4808, 4918..4993		
Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o1.gp	Method	AAT/GAP
Start	970	End	1422
GI	none	Score	845
Exons	970..1422		
Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o1.tm	Method	TBLASTX:Maize
Start	1287	End	5000
GI	none	Score	91
Exons	1287..1310, 1349..1507, 1364..1468, 1463..1603, 1467..1682, 1476..1682, 1802..1939, 1807..1938, 1818..1943, 1826..1942, 2386..2451, 2388..2450, 2549..2665, 2550..2651, 2744..2893, 2746..2895, 2763..2894, 2966..3064, 2967..3068, 3136..3207, 3141..3203, 3142..3204, 3344..3409, 3350..3415, 3502..3573, 3503..3577, 3506..3574, 3507..3575, 3653..3751, 3654..3752, 3655..3753, 3882..4031, 3886..4032, 3886..4035, 3887..4033, 3923..4045, 4120..4191, 4121..4192, 4122..4193, 4124..4192, 4297..4332, 4766..4810, 4768..4827, 4913..4999, 4917..5000, 4920..5000		
Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o2.tw	Method	TBLASTX:Wheat
Start	1378	End	1595
GI	none	Score	103
Exons	1378..1485, 1380..1514, 1388..1513, 1493..1594, 1545..1595		
Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o1.np	Method	AAT/NAP
Start	1415	End	4993
GI	6648157	Score	1316
Exons	1415..1681, 1802..1944, 2390..2450, 2549..2631, 2767..2893, 2966..3050, 3140..3203, 3349..3410, 3503..3573, 3656..3751, 3885..4033, 4122..4191, 4768..4808, 4918..4993		
GI Descrip.	(AC010926) putative casein kinase I [Arabidopsis thaliana]		
Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9

Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o1.tc	Method	TBLASTX:Cress
Start	2555	End	3573
GI	none	Score	97
Exons	2555..2665, 2556..2636, 2573..2680, 2744..2911, 2763..2894, 2966..3064, 2967..3068, 3136..3207, 3140..3214, 3350..3415, 3502..3528, 3526..3573		

Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o1.tw	Method	TBLASTX:Wheat
Start	2789	End	3214
GI	none	Score	107
Exons	2789..2911, 2811..2894, 2827..2895, 2965..3054, 2966..3064, 2967..3068, 3136..3207, 3140..3214		

Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o1.ts	Method	TBLASTX:Soybean
Start	2846	End	4996
GI	none	Score	123
Exons	2846..2911, 2966..3064, 2967..3068, 3136..3207, 3140..3214, 3140..3229, 3350..3415, 3351..3395, 3502..3573, 3509..3574, 3653..3751, 3654..3746, 3656..3748, 3882..4031, 3883..4032, 3923..4036, 4119..4190, 4120..4191, 4124..4192, 4762..4827, 4763..4810, 4913..4996, 4917..4994		

Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o2.gp	Method	AAT/GAP
Start	2966	End	3410
GI	21836_1.R1084	Score	376
Exons	2966..3050, 3140..3203, 3349..3410		
GI Descrip.	'4538939/emb|CAB39675.1| 5.0e-66 (AL049483) Col-0 casein kinase I-like protein [Arabidopsis thaliana]'		

Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o3.gp	Method	AAT/GAP
Start	2967	End	3573
GI	21836_1.R1084	Score	443
Exons	2967..3050, 3140..3203, 3349..3410, 3503..3573		
GI Descrip.	'4538939/emb|CAB39675.1| 5.0e-66 (AL049483) Col-0 casein kinase I-like protein [Arabidopsis thaliana]'		

Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o2.tc	Method	TBLASTX:Cress
Start	3651	End	4994
GI	none	Score	98
Exons	3651..3752, 3653..3751, 3882..4031, 3886..4032, 3886..4035,		

3887..4033, 4120..4191, 4121..4192, 4766..4810, 4768..4827, 4913..4993, 4917..4994

Seq. No.	36561	Seq. ID	OJ990808_49.9C06.C9
Gene No.	75243	Strand	-
Start	9	End	5685
Name	OJ990808_49.9C06.C9.o4.gp	Method	AAT/GAP
Start	3894	End	5685
GI	uC-osrocyp016b02b1	Score	907
Exons	3894..4033, 4122..4191, 4768..4808, 4918..5046, 5547..5685		
GI Descrip.	'4538939/emb|CAB39675.1| 2.0e-50 (AL049483) Col-0 casein kinase I-like protein [Arabidopsis thaliana]'		

Seq. No.	36562	Seq. ID	OJ990808_49.9C06.C10
Gene No.	75244	Strand	-
Start	1	End	1061
Name	OJ990808_49.9C06.C10.o1.np	Method	AAT/NAP
Start	1	End	1061
GI	4154281	Score	1015
Exons	1..1061		
GI Descrip.	(AF082347) C13 endopeptidase NP1 precursor [Zea mays]		

Seq. No.	36562	Seq. ID	OJ990808_49.9C06.C10
Gene No.	75244	Strand	-
Start	1	End	1061
Name	OJ990808_49.9C06.C10.o1.gs	Method	GENSCAN
Start	20	End	1044
GI	none	Score	.97
Exons	20..1044		

Seq. No.	36562	Seq. ID	OJ990808_49.9C06.C10
Gene No.	75244	Strand	-
Start	1	End	1061
Name	OJ990808_49.9C06.C10.o1.tc	Method	TBLASTX:Cress
Start	100	End	928
GI	none	Score	70
Exons	100..225, 137..226, 244..318, 475..627, 476..628, 631..927,	251..316, 310..525, 314..520, 632..928	

Seq. No.	36562	Seq. ID	OJ990808_49.9C06.C10
Gene No.	75244	Strand	-
Start	1	End	1061
Name	OJ990808_49.9C06.C10.o1.tw	Method	TBLASTX:Wheat
Start	100	End	489
GI	none	Score	71
Exons	100..225, 137..235, 244..327,	245..328, 310..489, 329..487	

Seq. No.	36562	Seq. ID	OJ990808_49.9C06.C10
Gene No.	75244	Strand	-
Start	1	End	1061
Name	OJ990808_49.9C06.C10.o1.ts	Method	TBLASTX:Soybean
Start	100	End	961
GI	none	Score	83
Exons	100..225, 131..214, 244..318, 538..627, 539..628, 631..942,	248..316, 308..526, 313..525, 653..961	

Seq. No.	36562	Seq. ID	OJ990808_49.9C06.C10

Gene No.	75244	Strand	-
Start	1	End	1061
Name	OJ990808_49.9C06.C10.o1.tm	Method	TBLASTX:Maize
Start	100	End	937
GI	none	Score	83
Exons	100..225, 137..235, 244..318, 538..627, 539..628, 631..936,	251..316, 308..526, 313..525, 632..937	

Seq. No.	36562	Seq. ID	OJ990808_49.9C06.C10
Gene No.	75244	Strand	-
Start	1	End	1061
Name	OJ990808_49.9C06.C10.o2.tw	Method	TBLASTX:Wheat
Start	694	End	928
GI	none	Score	222
Exons	694..927, 716..928		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75245	Strand	+
Start	13095	End	13322
Name	OJ990808_49.9C06.C11.o4.gs	Method	GENSCAN
Start	13095	End	13322
GI	none	Score	6
Exons	13095..13322		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75246	Strand	+
Start	14158	End	14571
Name	OJ990808_49.9C06.C11.o2.gp	Method	AAT/GAP
Start	14158	End	14571
GI	none	Score	751
Exons	14158..14571		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75247	Strand	+
Start	22433	End	22536
Name	OJ990808_49.9C06.C11.o3.np	Method	AAT/NAP
Start	22433	End	22536
GI	5777617	Score	73
Exons	22433..22536		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75248	Strand	+
Start	26735	End	26830
Name	OJ990808_49.9C06.C11.o3.gp	Method	AAT/GAP
Start	26735	End	26830
GI	43867_1.R1084	Score	177
Exons	26735..26830		
GI Descrip.	'2781347 4.0e-40 (AC003113) F24O1.3 [Arabidopsis thaliana]'		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75249	Strand	-
Start	1	End	19478
Name	OJ990808_49.9C06.C11.o2.np	Method	AAT/NAP
Start	1	End	19478
GI	5541726	Score	1791
Exons	1..65, 5442..5481, 7431..7484,	14264..15705, 15844..16044,	

	16129..16298, 16745..16887, 17220..17335, 17433..17670, 17765..17966, 18068..18245, 18465..18522, 19226..19478		
GI Descrip.	(AL096856) putative protein [Arabidopsis thaliana]		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75249	Strand	-
Start	1	End	19478
Name	OJ990808_49.9C06.C11.o2.gs	Method	GENSCAN
Start	2361	End	2823
GI	none	Score	.82
Exons	2361..2440, 2640..2823		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75249	Strand	-
Start	1	End	19478
Name	OJ990808_49.9C06.C11.o3.gs	Method	GENSCAN
Start	3608	End	11835
GI	none	Score	.47
Exons	3608..4533, 5419..5505, 7868..7961, 8088..8204, 8767..8883, 9027..9167, 9259..9677, 9763..9791, 10144..10211, 11575..11835		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75249	Strand	-
Start	1	End	19478
Name	OJ990808_49.9C06.C11.o1.gp	Method	AAT/GAP
Start	3685	End	4576
GI	11978_1.R1084	Score	1768
Exons	3685..4576		
GI Descrip.	'584825/sp|P37707|B2_DAUCA 2.0e-55 B2 PROTEIN >gi_322726_pir__S32124 B2 protein - carrot >gi_297889_emb_CAA51078_ (X72385) B2 protein [Daucus carota]'		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75249	Strand	-
Start	1	End	19478
Name	OJ990808_49.9C06.C11.o5.gs	Method	GENSCAN
Start	14034	End	19472
GI	none	Score	.46
Exons	14034..14133, 14285..16023, 16129..16241, 16745..16887, 17220..17335, 17561..17670, 17765..17966, 18068..18286, 18407..18580, 19260..19472		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o1.tm	Method	TBLASTX:Maize
Start	3609	End	4055
GI	none	Score	190
Exons	3609..3836, 3612..3662, 3620..3787, 3750..3806, 3786..3863, 3787..4008, 3788..4054, 3789..4055		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o1.tw	Method	TBLASTX:Wheat
Start	3609	End	4055
GI	none	Score	179

Exons	3609..3836, 3620..3805, 3750..3806, 3786..3863, 3787..4008, 3788..4054, 3789..4055		
Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o1.ts	Method	TBLASTX:Soybean
Start	3618	End	4055
GI	none	Score	158
Exons	3618..3806, 3620..3787, 3788..4054, 3789..4055		
Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o1.tc	Method	TBLASTX:Cress
Start	3620	End	4054
GI	none	Score	130
Exons	3620..3787, 3621..3836, 3788..4054, 3789..4052		
Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o2.tm	Method	TBLASTX:Maize
Start	7878	End	11703
GI	none	Score	79
Exons	7878..7985, 7882..7962, 8076..8204, 8086..8205, 8596..8661, 8605..8661, 8607..8684, 8765..8878, 8766..8879, 8767..8889, 8771..8878, 9027..9131, 9241..9516, 9242..9304, 9256..9678, 9389..9679, 9557..9676, 9583..9678, 9764..9802, 10143..10214, 10144..10212, 11551..11703		
Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o4.ts	Method	TBLASTX:Soybean
Start	7881	End	11766
GI	none	Score	120
Exons	7881..7973, 8076..8204, 8092..8205, 8185..8253, 8605..8661, 8606..8662, 8765..8884, 8767..8889, 8771..8884, 10143..10208, 11575..11766		
Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o2.tc	Method	TBLASTX:Cress
Start	7887	End	11766
GI	none	Score	72
Exons	7887..7922, 7923..7985, 8076..8204, 8095..8205, 8498..8521, 8605..8661, 8612..8662, 8767..8898, 8770..8868, 8771..8884, 9259..9516, 9262..9360, 9368..9676, 9553..9681, 9586..9678, 9764..9802, 10132..10203, 10143..10214, 11575..11766		
Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o2.ts	Method	TBLASTX:Soybean
Start	9025	End	9812

GI	none	Score	71
Exons	9025..9111, 9253..9396, 9394..9516, 9395..9679, 9586..9678, 9764..9793, 9765..9812		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o3.tc	Method	TBLASTX:Cress
Start	14686	End	15084
GI	none	Score	36
Exons	14686..14724, 14812..14940, 14827..14862, 14987..15079, 14998..15084		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o3.tm	Method	TBLASTX:Maize
Start	14872	End	15276
GI	none	Score	233
Exons	14872..15120, 14879..15121, 15169..15276, 15169..15276		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o4.tm	Method	TBLASTX:Maize
Start	15445	End	15792
GI	none	Score	96
Exons	15445..15540, 15446..15541, 15622..15771, 15623..15775, 15629..15775, 15634..15792		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o3.ts	Method	TBLASTX:Soybean
Start	17784	End	18203
GI	none	Score	83
Exons	17784..17966, 18080..18202, 18084..18203		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o4.np	Method	AAT/NAP
Start	21087	End	24309
GI	5031285	Score	84
Exons	21087..21115, 22708..22881, 24256..24309		
GI Descrip.	(AF139501) beta-amylase [Prunus armeniaca]		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o6.gs	Method	GENSCAN
Start	22636	End	23799
GI	none	Score	.77
Exons	22636..22955, 23041..23321, 23451..23526, 23626..23799		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-

Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o6.np	Method	AAT/NAP
Start	22983	End	26221
GI	5852093	Score	54
Exons	22983..23003, 24730..24846, 26193..26221		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	36563	Seq. ID	OJ990808_49.9C06.C11
Gene No.	75250	Strand	-
Start	21087	End	26221
Name	OJ990808_49.9C06.C11.o5.np	Method	AAT/NAP
Start	23603	End	25291
GI	3395440	Score	59
Exons	23603..23758, 25272..25291		
GI Descrip.	(AC004683) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75251	Strand	+
Start	1112	End	7773
Name	OJ990808_49.9C06.C12.o2.gp	Method	AAT/GAP
Start	1091	End	1892
GI	43867_1.R1084	Score	818
Exons	1091..1425, 1764..1892		
GI Descrip.	'2781347 4.0e-40 (AC003113) F24O1.3 [Arabidopsis thaliana]'		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75251	Strand	+
Start	1112	End	7773
Name	OJ990808_49.9C06.C12.o1.np	Method	AAT/NAP
Start	1112	End	7489
GI	4982479	Score	2407
Exons	1112..1425, 1764..1910, 2452..2587, 2896..2997, 3599..3718, 3831..3915, 4380..4716, 4867..5112, 5993..6317, 6921..7154, 7235..7489		
GI Descrip.	(AF069441) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75251	Strand	+
Start	1112	End	7773
Name	OJ990808_49.9C06.C12.o2.gs	Method	GENSCAN
Start	1112	End	7489
GI	none	Score	.86
Exons	1112..1425, 1764..1910, 2452..2587, 2896..2997, 3599..3718, 3831..3911, 4376..4716, 4867..5112, 5993..6317, 6921..7154, 7235..7489		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75251	Strand	+
Start	1112	End	7773
Name	OJ990808_49.9C06.C12.o3.gp	Method	AAT/GAP
Start	4373	End	5057
GI	uC-osrocyp015d03b1	Score	1046
Exons	4373..4716, 4867..5057		
GI Descrip.	'3924615 6.0e-71 (AF069442) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75251	Strand	+
Start	1112	End	7773
Name	OJ990808_49.9C06.C12.o4.gp	Method	AAT/GAP
Start	7007	End	7773
GI	50839_1.R1084	Score	1275
Exons	7007..7154, 7235..7773		
GI Descrip.	'4982479/gb|AAD36947.1|AF069441_7 2.0e-21 (AF069441) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75252	Strand	-
Start	16	End	273
Name	OJ990808_49.9C06.C12.o1.gs	Method	GENSCAN
Start	16	End	273
GI	none	Score	.82
Exons	16..273		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75253	Strand	-
Start	395	End	462
Name	OJ990808_49.9C06.C12.o1.gp	Method	AAT/GAP
Start	395	End	462
GI	LIB3431-004-P1-K1-G12	Score	77
Exons	395..462		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o2.tm	Method	TBLASTX:Maize
Start	1063	End	2943
GI	none	Score	84
Exons	1063..1425, 1087..1260, 1097..1426, 1765..1911, 1767..1910, 1770..1913, 1772..1912, 2450..2590, 2450..2584, 2884..2943, 2896..2943		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o2.tc	Method	TBLASTX:Cress
Start	1111	End	1854
GI	none	Score	401
Exons	1111..1425, 1112..1426, 1148..1429, 1149..1430, 1765..1854		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o3.ts	Method	TBLASTX:Soybean
Start	1111	End	1420
GI	none	Score	373
Exons	1111..1413, 1112..1420		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584

Name	OJ990808_49.9C06.C12.o5.tc	Method	TBLASTX:Cress
Start	1861	End	2590
GI	none	Score	67
Exons	1861..1911, 2447..2584, 2449..2589, 2450..2590		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o4.ts	Method	TBLASTX:Soybean
Start	2449	End	3703
GI	none	Score	187
Exons	2449..2589, 2450..2590, 2490..2606, 2884..3015, 2890..2997, 2918..3025, 3585..3701, 3596..3691, 3599..3703		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o3.tc	Method	TBLASTX:Cress
Start	2890	End	4747
GI	none	Score	75
Exons	2890..3003, 3834..3932, 4376..4747, 4417..4701		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o1.tm	Method	TBLASTX:Maize
Start	3638	End	7486
GI	none	Score	118
Exons	3638..3718, 3679..3717, 3810..3896, 3828..3911, 3830..3913, 4373..4714, 4375..4707, 4475..4714, 4856..5113, 4869..5111, 4873..5112, 5992..6321, 5993..6322, 5994..6320, 6918..7154, 6918..7148, 7222..7482, 7229..7486		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o2.ts	Method	TBLASTX:Soybean
Start	3840	End	4909
GI	none	Score	71
Exons	3840..3917, 4378..4707, 4385..4711, 4874..4909		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o2.tw	Method	TBLASTX:Wheat
Start	4402	End	4672
GI	none	Score	205
Exons	4402..4563, 4409..4672		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o1.tw	Method	TBLASTX:Wheat
Start	4903	End	6055
GI	none	Score	282
Exons	4903..5109, 4904..5113, 4904..5119, 5991..6053, 5993..6055		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o1.ts	Method	TBLASTX:Soybean
Start	4910	End	7470
GI	none	Score	248
Exons	4910..5113, 4912..5112, 5957..6109, 5992..6309, 5994..6320, 6018..6317, 6918..6998, 6920..7156, 6929..7045, 7098..7154, 7229..7417, 7231..7326, 7304..7360, 7379..7450, 7396..7470		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o1.tc	Method	TBLASTX:Cress
Start	6002	End	6998
GI	none	Score	422
Exons	6002..6112, 6003..6320, 6006..6317, 6918..6998		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o4.tc	Method	TBLASTX:Cress
Start	6999	End	7482
GI	none	Score	76
Exons	6999..7157, 7098..7154, 7229..7333, 7232..7333, 7379..7468, 7393..7482		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o5.gp	Method	AAT/GAP
Start	9668	End	11667
GI	66306_1.R1084	Score	1553
Exons	9668..10143, 10555..10609, 10702..10779, 10861..10952, 11035..11058, 11151..11269, 11637..11667		
GI Descrip.	'2739383 2.0e-25 (AC002505) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o3.tm	Method	TBLASTX:Maize
Start	10006	End	12581
GI	none	Score	61
Exons	10006..10089, 10015..10056, 10019..10090, 10023..10091, 10085..10141, 10098..10166, 10551..10610, 10552..10605, 10556..10609, 10699..10779, 10700..10780, 10860..10937, 10860..10952, 10862..10960, 11011..11061, 11034..11063, 11034..11060, 11148..11198, 11149..11250, 11150..11248, 11636..11668, 11638..11658, 11651..11695, 11776..11862, 11780..11854, 11784..11861, 11790..11867, 11941..12018, 11943..12026, 11943..12020, 12108..12149, 12109..12150, 12340..12396, 12346..12396, 12525..12581		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584

Name	OJ990808_49.9C06.C12.o4.gs	Method	GENSCAN
Start	10019	End	12149
GI	none	Score	.69
Exons	10019..10143, 10241..10331, 10702..10779, 10861..10973, 11035..11058, 11151..11269, 11637..11722, 11943..12017, 12111..12149		

Seq. No.	36564	Seq. ID	OJ990808_49.9C06.C12
Gene No.	75254	Strand	-
Start	9668	End	12584
Name	OJ990808_49.9C06.C12.o2.np	Method	AAT/NAP
Start	10064	End	12584
GI	2739383	Score	545
Exons	10064..10143, 10555..10609, 10702..10779, 10861..10958, 11151..11269, 11637..11849, 11943..12017, 12111..12149, 12337..12396, 12533..12584		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	36565	Seq. ID	OJ990808_49.9C06.C13
Gene No.	75255	Strand	-
Start	689	End	851
Name	OJ990808_49.9C06.C13.o1.gs	Method	GENSCAN
Start	689	End	851
GI	none	Score	.69
Exons	689..723, 795..851		

Seq. No.	36565	Seq. ID	OJ990808_49.9C06.C13
Gene No.	75256	Strand	-
Start	795	End	857
Name	OJ990808_49.9C06.C13.o1.gp	Method	AAT/GAP
Start	795	End	857
GI	30898_1.R1084	Score	76
Exons	795..857		
GI Descrip.	'2739383 2.0e-47 (AC002505) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75257	Strand	+
Start	1	End	2453
Name	OJ990808_49.9C06.C14.o1.np	Method	AAT/NAP
Start	1	End	2379
GI	6686407	Score	262
Exons	1..117, 889..959, 1053..1127, 2102..2154, 2292..2379		
GI Descrip.	(AC007234) F1E22.8 [Arabidopsis thaliana]		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75257	Strand	+
Start	1	End	2453
Name	OJ990808_49.9C06.C14.o2.gp	Method	AAT/GAP
Start	683	End	2453
GI	19693_1.R1084	Score	826
Exons	683..813, 919..959, 1053..1127, 2102..2154, 2292..2453		
GI Descrip.	'4309884/gb|AAD15542| 3.0e-30 (AC006389) similar to Schizosaccharomyces pombe splicing factor; similar to PID:3395591 [Homo sapiens] >gi_5919157_gb_AAD56232.1_AF182294_1 (AF182294) U6 snRNA-associated Sm-like protein LSm8 [Homo sapiens]'		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75258	Strand	+
Start	6583	End	7756
Name	OJ990808_49.9C06.C14.o2.gs	Method	GENSCAN
Start	6583	End	7756
GI	none	Score	.73
Exons	6583..6673, 7668..7756		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75259	Strand	+
Start	9673	End	15324
Name	OJ990808_49.9C06.C14.o6.gp	Method	AAT/GAP
Start	9547	End	10683
GI	415_1.R1084	Score	642
Exons	9547..9867, 10598..10683		
GI Descrip.	'3021357/emb|CAA06339.1| 1.0e-25 (AJ005082) UDP-galactose 4-epimerase [Cyamopsis tetragonoloba]'		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75259	Strand	+
Start	9673	End	15324
Name	OJ990808_49.9C06.C14.o3.gs	Method	GENSCAN
Start	9673	End	15324
GI	none	Score	.88
Exons	9673..9867, 11309..11335, 11836..11937, 12058..12285, 12365..12449, 12552..12634, 12758..12849, 13471..13604, 14960..15324		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75259	Strand	+
Start	9673	End	15324
Name	OJ990808_49.9C06.C14.o2.np	Method	AAT/NAP
Start	9682	End	13042
GI	3021357	Score	1086
Exons	9682..9867, 10598..10647, 11200..11335, 11836..11937, 12058..12285, 12365..12440, 12549..12634, 12758..12849, 12952..13042		
GI Descrip.	(AJ005082) UDP-galactose 4-epimerase [Cyamopsis tetragonoloba]		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75259	Strand	+
Start	9673	End	15324
Name	OJ990808_49.9C06.C14.o7.gp	Method	AAT/GAP
Start	11862	End	13374
GI	12752_1.R1084	Score	1658
Exons	11862..11937, 12058..12285, 12365..12449, 12552..12634, 12758..12849, 12952..13374		
GI Descrip.	'3021357/emb|CAA06339.1| 2.0e-88 (AJ005082) UDP-galactose 4-epimerase [Cyamopsis tetragonoloba]'		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75260	Strand	-
Start	2924	End	3356
Name	OJ990808_49.9C06.C14.o3.gp	Method	AAT/GAP
Start	2924	End	3356
GI	29509_1.R1084	Score	846

Exons	2924..3356		
GI Descrip.	'3702665/emb|CAA07474| 3.0e-10 (AJ007349) pathogenisis-related protein 1.2 [Triticum aestivum]'		
Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75261	Strand	-
Start	5220	End	5765
Name	OJ990808_49.9C06.C14.o4.gp	Method	AAT/GAP
Start	5220	End	5681
GI	LIB3432-059-P1-K1-D8	Score	695
Exons	5220..5681		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75261	Strand	-
Start	5220	End	5765
Name	OJ990808_49.9C06.C14.o5.gp	Method	AAT/GAP
Start	5546	End	5765
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	5546..5566, 5683..5765		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75262	Strand	-
Start	14938	End	15373
Name	OJ990808_49.9C06.C14.o2.tm	Method	TBLASTX:Maize
Start	2640	End	15368
GI	none	Score	34
Exons	2640..2663, 2768..3016, 2772..2972, 3017..3196, 3021..3194, 3055..3207, 3056..3196, 14974..15072, 14981..15073, 15085..15147, 15103..15165, 15208..15309, 15218..15301, 15297..15368		
Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75262	Strand	-
Start	14938	End	15373
Name	OJ990808_49.9C06.C14.o1.tw	Method	TBLASTX:Wheat
Start	2771	End	15198
GI	none	Score	68
Exons	2771..2800, 2804..2869, 2963..3037, 14939..14998, 14941..14997, 15007..15198, 15046..15150		
Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75262	Strand	-
Start	14938	End	15373
Name	OJ990808_49.9C06.C14.o2.tc	Method	TBLASTX:Cress
Start	2771	End	15322
GI	none	Score	61
Exons	2771..2794, 2795..2869, 14941..14997, 14942..14998, 14998..15198, 14999..15076, 15140..15199, 15296..15322		
Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75262	Strand	-
Start	14938	End	15373

Name	OJ990808_49.9C06.C14.o2.ts	Method	TBLASTX:Soybean
Start	2771	End	15358
GI	none	Score	60
Exons	2771..2800, 2798..2869, 2885..3016, 3011..3154, 14941..14997, 14942..14998, 15005..15169, 15007..15168, 15169..15198, 15208..15309, 15305..15358		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75262	Strand	-
Start	14938	End	15373
Name	OJ990808_49.9C06.C14.o1.tc	Method	TBLASTX:Cress
Start	9672	End	13021
GI	none	Score	157
Exons	9672..9866, 9673..9837, 11836..11940, 11838..11942, 12055..12288, 12057..12239, 12096..12299, 12221..12328, 12364..12435, 12365..12436, 12550..12630, 12551..12634, 12755..12850, 12950..13021, 12952..13017		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75262	Strand	-
Start	14938	End	15373
Name	OJ990808_49.9C06.C14.o1.ts	Method	TBLASTX:Soybean
Start	9684	End	12829
GI	none	Score	211
Exons	9684..9869, 9691..9870, 11294..11338, 11826..11933, 11832..11939, 11833..11943, 12055..12288, 12057..12239, 12096..12314, 12370..12426, 12371..12457, 12550..12633, 12551..12634, 12755..12829, 12757..12807		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75262	Strand	-
Start	14938	End	15373
Name	OJ990808_49.9C06.C14.o1.tm	Method	TBLASTX:Maize
Start	9691	End	13041
GI	none	Score	210
Exons	9691..9870, 9693..9866, 11832..11942, 11833..11943, 12055..12288, 12057..12242, 12069..12299, 12364..12438, 12365..12439, 12550..12633, 12551..12634, 12555..12635, 12755..12850, 12757..12804, 12941..13024, 12941..13033, 12949..13026, 12952..13041		

Seq. No.	36566	Seq. ID	OJ990808_49.9C06.C14
Gene No.	75262	Strand	-
Start	14938	End	15373
Name	OJ990808_49.9C06.C14.o3.np	Method	AAT/NAP
Start	14938	End	15373
GI	5262758	Score	336
Exons	14938..15373		
GI Descrip.	(AL080283) pathogenesis-related protein homolog [Arabidopsis thaliana]		

Seq. No.	36567	Seq. ID	OJ990808_49.9C06.C15
Gene No.	75263	Strand	-
Start	111	End	711
Name	OJ990808_49.9C06.C15.o1.gs	Method	GENSCAN
Start	111	End	711
GI	none	Score	.82

Exons	111..325, 636..711		
Seq. No.	36567	Seq. ID	OJ990808_49.9C06.C15
Gene No.	75264	Strand	-
Start	5161	End	5238
Name	OJ990808_49.9C06.C15.o1.np	Method	AAT/NAP
Start	5161	End	5238
GI	6630699	Score	82
Exons	5161..5238		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	36568	Seq. ID	OJ990808_49.9C06.C16
Gene No.	75265	Strand	-
Start	1	End	87
Name	OJ990808_49.9C06.C16.o1.gp	Method	AAT/GAP
Start	1	End	87
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	1..87		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75266	Strand	+
Start	332	End	595
Name	OJ990808_48.9C07.C4.o1.gs	Method	GENSCAN
Start	332	End	595
GI	none	Score	.77
Exons	332..595		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o1.np	Method	AAT/NAP
Start	1008	End	3158
GI	629693	Score	517
Exons	1008..2094, 3138..3158		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o5.ts	Method	TBLASTX:Soybean
Start	1048	End	1297
GI	none	Score	46
Exons	1048..1086, 1053..1091, 1115..1297, 1125..1295, 1130..1297		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o2.np	Method	AAT/NAP
Start	1059	End	4190
GI	4544372	Score	1121
Exons	1059..2599, 2705..3091, 3158..4190		

GI Descrip. (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o2.gs	Method	GENSCAN
Start	1664	End	4314
GI	none	Score	.94
Exons	1664..2739, 3075..4314		

Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o3.ts	Method	TBLASTX:Soybean
Start	1700	End	2008
GI	none	Score	68
Exons	1700..2008, 1790..1903		

Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o3.tw	Method	TBLASTX:Wheat
Start	1736	End	2023
GI	none	Score	139
Exons	1736..1840, 1865..2023		

Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o3.tm	Method	TBLASTX:Maize
Start	1841	End	2173
GI	none	Score	202
Exons	1841..2173		

Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o4.tw	Method	TBLASTX:Wheat
Start	2429	End	2826
GI	none	Score	56
Exons	2429..2698, 2752..2826		

Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o2.ts	Method	TBLASTX:Soybean
Start	2462	End	2871
GI	none	Score	94
Exons	2462..2713, 2547..2714, 2655..2717, 2747..2869, 2752..2871		

Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o1.ts	Method	TBLASTX:Soybean
Start	3052	End	3492
GI	none	Score	85

Exons	3052..3210, 3053..3166, 3211..3492, 3275..3454		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o2.tw	Method	TBLASTX:Wheat
Start	3109	End	3507
GI	none	Score	35
Exons	3109..3210, 3113..3181, 3172..3507, 3284..3469		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o1.tm	Method	TBLASTX:Maize
Start	3178	End	3639
GI	none	Score	232
Exons	3178..3639, 3275..3637, 3556..3639		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o1.tw	Method	TBLASTX:Wheat
Start	3509	End	3912
GI	none	Score	259
Exons	3509..3853, 3515..3853, 3550..3861, 3856..3912		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o2.tm	Method	TBLASTX:Maize
Start	3640	End	3858
GI	none	Score	195
Exons	3640..3858, 3641..3853, 3664..3858		
Seq. No.	36569	Seq. ID	OJ990808_48.9C07.C4
Gene No.	75267	Strand	-
Start	1008	End	4314
Name	OJ990808_48.9C07.C4.o4.ts	Method	TBLASTX:Soybean
Start	3709	End	4074
GI	none	Score	143
Exons	3709..3843, 3850..4074		
Seq. No.	36570	Seq. ID	OJ990808_48.9C07.C5
Gene No.	75268	Strand	-
Start	1224	End	2820
Name	OJ990808_48.9C07.C5.o1.gs	Method	GENSCAN
Start	1224	End	2820
GI	none	Score	.49
Exons	1224..1591, 2086..2406, 2484..2820		
Seq. No.	36571	Seq. ID	OJ990808_48.9C07.C6
Gene No.	75269	Strand	+
Start	493	End	1013
Name	OJ990808_48.9C07.C6.o1.gs	Method	GENSCAN
Start	493	End	917
GI	none	Score	.82
Exons	493..552, 720..917		

Seq. No.	36571	Seq. ID	OJ990808_48.9C07.C6
Gene No.	75269	Strand	+
Start	493	End	1013
Name	OJ990808_48.9C07.C6.o1.np	Method	AAT/NAP
Start	493	End	1013
GI	2498930	Score	535
Exons	493..552, 720..1013		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36572	Seq. ID	OJ990808_48.9C07.C7
Gene No.	75270	Strand	+
Start	1	End	197
Name	OJ990808_48.9C07.C7.o1.np	Method	AAT/NAP
Start	1	End	197
GI	4544372	Score	132
Exons	1..197		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36573	Seq. ID	OJ990808_45.9C06.C1
Gene No.	75271	Strand	-
Start	12	End	198
Name	OJ990808_45.9C06.C1.o1.gs	Method	GENSCAN
Start	12	End	198
GI	none	Score	.72
Exons	12..198		

Seq. No.	36574	Seq. ID	OJ990808_45.9C06.C4
Gene No.	75272	Strand	+
Start	491	End	1126
Name	OJ990808_45.9C06.C4.o1.gs	Method	GENSCAN
Start	491	End	1111
GI	none	Score	.99
Exons	491..549, 717..1111		

Seq. No.	36574	Seq. ID	OJ990808_45.9C06.C4
Gene No.	75272	Strand	+
Start	491	End	1126
Name	OJ990808_45.9C06.C4.o1.np	Method	AAT/NAP
Start	491	End	1126
GI	2498930	Score	737
Exons	491..549, 717..1126		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36575	Seq. ID	OJ990808_45.9C06.C5
Gene No.	75273	Strand	+
Start	1429	End	1490
Name	OJ990808_45.9C06.C5.o1.gs	Method	GENSCAN
Start	1429	End	1490
GI	none	Score	.95
Exons	1429..1490		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75274	Strand	+

Start	693	End	1206
Name	OJ990808_45.9C06.C6.o1.gs	Method	GENSCAN
Start	693	End	1206
GI	none	Score	.7
Exons	693..819, 1187..1206		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75275	Strand	+
Start	2335	End	3321
Name	OJ990808_45.9C06.C6.o1.gp	Method	AAT/GAP
Start	2335	End	3321
GI	17179_1.R1084	Score	877
Exons	2335..2490, 2526..2547, 2663..2770, 3070..3321		
GI Descrip.	'4039152 1.0e-11 (AF104221) low temperature and salt responsive protein LTI6B [Arabidopsis thaliana] >gi_4325219_gb_AAD17303_ (AF122006) hydrophobic protein [Arabidopsis thaliana]'		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75275	Strand	+
Start	2335	End	3321
Name	OJ990808_45.9C06.C6.o1.np	Method	AAT/NAP
Start	2467	End	2743
GI	4039153	Score	146
Exons	2467..2547, 2663..2743		
GI Descrip.	(AF104221) low temperature and salt responsive protein LTI6A [Arabidopsis thaliana] gi|4325217|gb|AAD17302| (AF122005) hydrophobic protein [Arabidopsis thaliana] gi|6714401|gb|AAF26090.1|AC012393_16 (AC012393) low temperature and salt responsive protein LTI6A [Arabidopsis thaliana]		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75276	Strand	+
Start	5370	End	5695
Name	OJ990808_45.9C06.C6.o2.gp	Method	AAT/GAP
Start	5370	End	5695
GI	78873_1.R1084	Score	559
Exons	5370..5695		
GI Descrip.	'3402817/emb|CAA07704| 4.0e-19 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75277	Strand	+
Start	11895	End	12797
Name	OJ990808_45.9C06.C6.o3.np	Method	AAT/NAP
Start	11895	End	12797
GI	5932541	Score	253
Exons	11895..12797		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75278	Strand	+
Start	15742	End	18156
Name	OJ990808_45.9C06.C6.o4.gp	Method	AAT/GAP
Start	15742	End	18050
GI	none	Score	867
Exons	15742..16016, 17658..17712, 17790..17881, 17969..18050		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75278	Strand	+
Start	15742	End	18156
Name	OJ990808_45.9C06.C6.o4.np	Method	AAT/NAP
Start	16483	End	18156
GI	5733878	Score	60
Exons	16483..16530, 17816..17881, 17969..18156		
GI Descrip.	(AC007932) Contains PF|00176 SNF2 N-terminal and PF|00271 helicase C-terminal domain. [Arabidopsis thaliana]		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75279	Strand	-
Start	1307	End	3669
Name	OJ990808_45.9C06.C6.o2.gs	Method	GENSCAN
Start	1307	End	3669
GI	none	Score	.53
Exons	1307..1316, 2337..2442, 2692..2782, 3037..3300, 3652..3669		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o5.tm	Method	TBLASTX:Maize
Start	2445	End	2751
GI	none	Score	83
Exons	2445..2549, 2446..2550, 2663..2746, 2665..2751		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o3.gs	Method	GENSCAN
Start	5629	End	7431
GI	none	Score	1
Exons	5629..7431		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o2.np	Method	AAT/NAP
Start	5635	End	7362
GI	6911885	Score	1975
Exons	5635..6000, 6061..7362		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o2.ts	Method	TBLASTX:Soybean
Start	6061	End	6420
GI	none	Score	229
Exons	6061..6417, 6083..6418, 6103..6420		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o1.tm	Method	TBLASTX:Maize
Start	6068	End	7059
GI	none	Score	590

Exons	6068..6547, 6092..6355, 6103..7059, 6402..6638, 6578..7054		
Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o2.tc	Method	TBLASTX:Cress
Start	6361	End	6543
GI	none	Score	86
Exons	6361..6543, 6371..6469		
Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o5.ts	Method	TBLASTX:Soybean
Start	6472	End	6619
GI	none	Score	99
Exons	6472..6555, 6472..6618, 6524..6619		
Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o1.ts	Method	TBLASTX:Soybean
Start	6622	End	7069
GI	none	Score	410
Exons	6622..7065, 6623..7069		
Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o3.gp	Method	AAT/GAP
Start	6651	End	7254
GI	41520_1.R1084	Score	1112
Exons	6651..7254		
GI Descrip.	'3913202/sp|O14007|CBF5_SCHPO 2.0e-78 CENTROMERE/MICROTUBULE BINDING PROTEIN CBF5 (CENTROMERE-BINDING FACTOR 5) (NUCLEOLAR PROTEIN CBF5) >gi_2239214_emb_CAB10131.1_ (Z97210) centromere/microtubule binding protein cbf5 [Schizosaccharomyces pombe]'		
Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o1.tc	Method	TBLASTX:Cress
Start	6754	End	7306
GI	none	Score	99
Exons	6754..6957, 6754..7299, 6794..7306		
Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-
Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o3.tm	Method	TBLASTX:Maize
Start	7060	End	7384
GI	none	Score	291
Exons	7060..7308, 7061..7333, 7352..7384		
Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75280	Strand	-

Start	5629	End	7431
Name	OJ990808_45.9C06.C6.o3.ts	Method	TBLASTX:Soybean
Start	7069	End	7291
GI	none	Score	167
Exons	7069..7290, 7070..7291		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75281	Strand	
Start	11613	End	12209
Name	OJ990808_45.9C06.C6.o4.tm	Method	TBLASTX:Maize
Start	11613	End	12068
GI	none	Score	45
Exons	11613..11693, 11682..11792, 11892..12068, 11900..12067		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75281	Strand	
Start	11613	End	12209
Name	OJ990808_45.9C06.C6.o3.tc	Method	TBLASTX:Cress
Start	11891	End	12200
GI	none	Score	91
Exons	11891..11962, 11892..11966, 11991..12146, 11993..12082, 12144..12200		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75281	Strand	
Start	11613	End	12209
Name	OJ990808_45.9C06.C6.o4.ts	Method	TBLASTX:Soybean
Start	11892	End	12209
GI	none	Score	105
Exons	11892..11987, 11903..11980, 11991..12125, 11993..12082, 12131..12199, 12132..12209		

Seq. No.	36576	Seq. ID	OJ990808_45.9C06.C6
Gene No.	75282	Strand	
Start	12443	End	12812
Name	OJ990808_45.9C06.C6.o2.tm	Method	TBLASTX:Maize
Start	12443	End	12812
GI	none	Score	222
Exons	12443..12799, 12443..12793, 12444..12812		

Seq. No.	36577	Seq. ID	OJ990808_45.9C06.C7
Gene No.	75283	Strand	+
Start	1	End	9533
Name	OJ990808_45.9C06.C7.o1.np	Method	AAT/NAP
Start	1	End	9530
GI	5733878	Score	1407
Exons	1..115, 804..870, 1211..1281, 2303..2356, 2773..2990, 3763..3918, 4655..4732, 5337..5405, 5490..5576, 5613..5765, 6378..6434, 7320..7385, 7782..7850, 7917..8021, 8388..8513, 8701..8759, 8846..8882, 9384..9530		
GI Descrip.	(AC007932) Contains PF|00176 SNF2 N-terminal and PF|00271 helicase C-terminal domain. [Arabidopsis thaliana]		

Seq. No.	36577	Seq. ID	OJ990808_45.9C06.C7
Gene No.	75283	Strand	+
Start	1	End	9533
Name	OJ990808_45.9C06.C7.o1.gs	Method	GENSCAN

Start	47	End	9533
GI	none	Score	.78
Exons	47..115, 1186..1277, 2290..2356, 3763..3918, 4655..4786, 4841..4951, 5337..5405, 5637..5765, 6876..6965, 7320..7385, 7782..7850, 7917..8021, 8388..8513, 9384..9533		

Seq. No.	36577	Seq. ID	OJ990808_45.9C06.C7
Gene No.	75283	Strand	+
Start	1	End	9533
Name	OJ990808_45.9C06.C7.o1.ts	Method	TBLASTX:Soybean
Start	3763	End	5776
GI	none	Score	166
Exons	3763..3921, 3780..3920, 4652..4732, 4657..4725, 5334..5411, 5336..5401, 5481..5555, 5486..5554, 5631..5765, 5637..5774, 5651..5776		

Seq. No.	36577	Seq. ID	OJ990808_45.9C06.C7
Gene No.	75283	Strand	+
Start	1	End	9533
Name	OJ990808_45.9C06.C7.o1.tm	Method	TBLASTX:Maize
Start	7931	End	8760
GI	none	Score	132
Exons	7931..8032, 7932..8033, 8375..8515, 8384..8464, 8388..8528, 8607..8759, 8698..8760		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75284	Strand	+
Start	189	End	2957
Name	OJ990808_45.9C06.C8.o1.np	Method	AAT/NAP
Start	189	End	2936
GI	4558548	Score	194
Exons	189..245, 1742..1780, 1897..1947, 2581..2796, 2883..2936		
GI Descrip.	(AC007138) putative RNaseP-associated protein [Arabidopsis thaliana]		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75284	Strand	+
Start	189	End	2957
Name	OJ990808_45.9C06.C8.o1.gs	Method	GENSCAN
Start	946	End	2957
GI	none	Score	.62
Exons	946..1124, 1723..1780, 1897..2040, 2207..2266, 2629..2796, 2883..2957		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75285	Strand	+
Start	5094	End	14325
Name	OJ990808_45.9C06.C8.o2.gs	Method	GENSCAN
Start	5094	End	13904
GI	none	Score	.53
Exons	5094..5121, 7186..7260, 7516..7721, 7854..10241, 10630..10788, 10881..11135, 11250..11272, 11330..11410, 11527..11696, 11760..11977, 12402..12594, 13385..13505, 13769..13904		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75285	Strand	+
Start	5094	End	14325

Name	OJ990808_45.9C06.C8.o2.np	Method	AAT/NAP
Start	7986	End	11564
GI	5441880	Score	1651
Exons	7986..8997, 9442..9473, 9732..10101, 11500..11564		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75285	Strand	+
Start	5094	End	14325
Name	OJ990808_45.9C06.C8.o3.np	Method	AAT/NAP
Start	7986	End	12253
GI	5441880	Score	1652
Exons	7986..8997, 9442..9473, 9732..10101, 12217..12253		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75285	Strand	+
Start	5094	End	14325
Name	OJ990808_45.9C06.C8.o1.gp	Method	AAT/GAP
Start	11035	End	11474
GI	LIB3433-020-P1-K1-A6	Score	637
Exons	11035..11474		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75285	Strand	+
Start	5094	End	14325
Name	OJ990808_45.9C06.C8.o2.gp	Method	AAT/GAP
Start	13579	End	13643
GI	LIB3431-030-P1-N1-G8	Score	86
Exons	13579..13643		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75285	Strand	+
Start	5094	End	14325
Name	OJ990808_45.9C06.C8.o3.gp	Method	AAT/GAP
Start	13791	End	14325
GI	4969019	Score	814
Exons	13791..13820, 13876..14325		
GI Descrip.	4454038/emb|CAA23035.1| 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75286	Strand	-
Start	14061	End	15091
Name	OJ990808_45.9C06.C8.o3.gs	Method	GENSCAN
Start	14061	End	14648
GI	none	Score	.83
Exons	14061..14648		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75286	Strand	-
Start	14061	End	15091
Name	OJ990808_45.9C06.C8.o4.np	Method	AAT/NAP
Start	14070	End	15091
GI	6692115	Score	405
Exons	14070..14568, 15012..15091		
GI Descrip.	(AC007764) F22C12.8 [Arabidopsis thaliana]		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75286	Strand	-
Start	14061	End	15091
Name	OJ990808_45.9C06.C8.o4.gp	Method	AAT/GAP
Start	14423	End	14753
GI	427772	Score	616
Exons	14423..14753		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75287	Strand	-
Start	16801	End	18005
Name	OJ990808_45.9C06.C8.o4.gs	Method	GENSCAN
Start	16801	End	18005
GI	none	Score	58
Exons	16801..16839, 17193..17396, 17787..18005		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75288	Strand	-
Start	18248	End	18828
Name	OJ990808_45.9C06.C8.o1.ts	Method	TBLASTX:Soybean
Start	1897	End	2799
GI	none	Score	75
Exons	1897..1947, 2605..2799, 2631..2798		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75288	Strand	-
Start	18248	End	18828
Name	OJ990808_45.9C06.C8.o2.tm	Method	TBLASTX:Maize
Start	1897	End	2957
GI	none	Score	80
Exons	1897..1950, 1899..1949, 1900..1962, 1969..2064, 2617..2796, 2632..2796, 2877..2957, 2881..2952		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75288	Strand	-
Start	18248	End	18828
Name	OJ990808_45.9C06.C8.o1.tm	Method	TBLASTX:Maize
Start	8553	End	9149
GI	none	Score	364
Exons	8553..9020, 8558..8680, 8732..9031, 9078..9149		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75288	Strand	-
Start	18248	End	18828
Name	OJ990808_45.9C06.C8.o1.tw	Method	TBLASTX:Wheat
Start	8849	End	9224
GI	none	Score	188
Exons	8849..8995, 8850..9026, 9050..9118, 9051..9224, 9073..9213		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75288	Strand	-
Start	18248	End	18828
Name	OJ990808_45.9C06.C8.o1.tc	Method	TBLASTX:Cress
Start	14070	End	18601
GI	none	Score	154
Exons	14070..14354, 14071..14280, 14379..14426, 14505..14552, 18245..18388, 18255..18395, 18407..18535, 18560..18601		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75288	Strand	-
Start	18248	End	18828
Name	OJ990808_45.9C06.C8.o5.gs	Method	GENSCAN
Start	18248	End	18816
GI	none	Score	.75
Exons	18248..18778, 18784..18816		

Seq. No.	36578	Seq. ID	OJ990808_45.9C06.C8
Gene No.	75288	Strand	-
Start	18248	End	18828
Name	OJ990808_45.9C06.C8.o5.np	Method	AAT/NAP
Start	18254	End	18828
GI	6692115	Score	350
Exons	18254..18828		
GI Descrip.	(AC007764) F22C12.8 [Arabidopsis thaliana]		

Seq. No.	36579	Seq. ID	OJ990808_45.9C06.C9
Gene No.	75289	Strand	+
Start	3707	End	4374
Name	OJ990808_45.9C06.C9.o1.gs	Method	GENSCAN
Start	3707	End	4374
GI	none	Score	.84
Exons	3707..3832, 4204..4374		

Seq. No.	36579	Seq. ID	OJ990808_45.9C06.C9
Gene No.	75290	Strand	-
Start	1675	End	4407
Name	OJ990808_45.9C06.C9.o1.np	Method	AAT/NAP
Start	1675	End	4407
GI	5922623	Score	148
Exons	1675..1787, 3403..3479, 3656..3822, 4333..4407		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	36580	Seq. ID	OJ990808_45.9C06.C10
Gene No.	75291	Strand	-
Start	960	End	1568
Name	OJ990808_45.9C06.C10.o1.gp	Method	AAT/GAP
Start	819	End	1127
GI	3769223	Score	569
Exons	819..1127		
GI Descrip.	4454038/emb|CAA23035.1| 6.0e-10 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	36580	Seq. ID	OJ990808_45.9C06.C10

Gene No.	75291	Strand	-
Start	960	End	1568
Name	OJ990808_45.9C06.C10.o1.gs	Method	GENSCAN
Start	960	End	1568
GI	none	Score	1
Exons	960..1568		

Seq. No.	36580	Seq. ID	OJ990808_45.9C06.C10
Gene No.	75291	Strand	-
Start	960	End	1568
Name	OJ990808_45.9C06.C10.o1.np	Method	AAT/NAP
Start	963	End	1541
GI	4850300	Score	343
Exons	963..1541		
GI Descrip.	(AL049876) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	36580	Seq. ID	OJ990808_45.9C06.C10
Gene No.	75291	Strand	-
Start	960	End	1568
Name	OJ990808_45.9C06.C10.o1.tc	Method	TBLASTX:Cress
Start	966	End	1442
GI	none	Score	103
Exons	966..1097, 966..1097, 967..1101, 1117..1317, 1119..1247, 1272..1313, 1395..1442		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75292	Strand	+
Start	21	End	3860
Name	OJ990808_45.9C06.C11.o1.gs	Method	GENSCAN
Start	21	End	3860
GI	none	Score	.91
Exons	21..38, 118..180, 1513..1584, 1688..1795, 1913..1993, 2172..2205, 2295..2341, 2428..2637, 2751..2852, 3130..3246, 3350..3421, 3535..3609, 3756..3860		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75293	Strand	+
Start	8217	End	8429
Name	OJ990808_45.9C06.C11.o1.gp	Method	AAT/GAP
Start	8217	End	8429
GI	2280958	Score	406
Exons	8217..8429		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o1.tm	Method	TBLASTX:Maize
Start	115	End	3836
GI	none	Score	109
Exons	115..204, 117..182, 124..186, 1494..1592, 1510..1584, 1687..1755, 1688..1756, 1717..1794, 1757..1795, 1906..1980, 1913..1987, 2068..2121, 2069..2122, 2213..2344, 2215..2355, 2424..2582, 2425..2583, 2745..2852, 3127..3261, 3129..3266, 3532..3612, 3753..3836		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11

Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o2.tc	Method	TBLASTX:Cress
Start	115	End	2849
GI	none	Score	92
Exons	115..183, 1510..1584, 1697..1795, 1906..1977, 1913..1993, 2063..2122, 2068..2130, 2213..2362, 2224..2313, 2394..2555, 2425..2562, 2787..2849		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o2.tw	Method	TBLASTX:Wheat
Start	115	End	1962
GI	none	Score	98
Exons	115..204, 123..182, 124..186, 1494..1589, 1510..1584, 1687..1794, 1688..1792, 1906..1962, 1913..1960		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o1.ts	Method	TBLASTX:Soybean
Start	115	End	2579
GI	none	Score	100
Exons	115..183, 117..185, 1494..1586, 1510..1587, 1693..1791, 1697..1795, 1906..1977, 1913..1993, 2039..2122, 2068..2166, 2213..2356, 2215..2313, 2403..2579, 2452..2574		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o3.tc	Method	TBLASTX:Cress
Start	4208	End	4747
GI	none	Score	72
Exons	4208..4372, 4220..4747, 4221..4502, 4561..4641		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o3.ts	Method	TBLASTX:Soybean
Start	4211	End	4441
GI	none	Score	60
Exons	4211..4360, 4211..4441, 4221..4427		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o5.tm	Method	TBLASTX:Maize
Start	4217	End	4510
GI	none	Score	96
Exons	4217..4510, 4221..4427		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o2.gs	Method	GENSCAN
Start	4220	End	5926

GI	none	Score	.52
Exons	4220..5926		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o1.np	Method	AAT/NAP
Start	4223	End	7429
GI	3582328	Score	1133
Exons	4223..5626, 7392..7429		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o2.ts	Method	TBLASTX:Soybean
Start	4442	End	4981
GI	none	Score	115
Exons	4442..4981, 4661..4960		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o3.tm	Method	TBLASTX:Maize
Start	4511	End	5725
GI	none	Score	189
Exons	4511..5347, 4671..5219, 4980..5036, 5027..5434, 5031..5348, 5121..5222, 5270..5455, 5273..5530, 5333..5527, 5411..5545, 5468..5632, 5468..5620, 5492..5626, 5507..5635, 5561..5725		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o1.tc	Method	TBLASTX:Cress
Start	4835	End	5728
GI	none	Score	74
Exons	4835..4936, 4940..5050, 4941..5045, 4976..5188, 5039..5185, 5049..5369, 5054..5473, 5054..5635, 5063..5344, 5282..5359, 5375..5497, 5454..5627, 5468..5728, 5537..5680, 5552..5728		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o1.tw	Method	TBLASTX:Wheat
Start	4916	End	5713
GI	none	Score	64
Exons	4916..5104, 4916..5395, 4917..5369, 4976..5095, 5306..5539, 5453..5632, 5552..5713		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o4.ts	Method	TBLASTX:Soybean
Start	5006	End	5713
GI	none	Score	124
Exons	5006..5275, 5010..5228, 5309..5521, 5468..5584, 5561..5713		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o3.gs	Method	GENSCAN
Start	6500	End	12046
GI	none	Score	.83
Exons	6500..6570, 7050..7306, 7863..7890, 7999..8286, 9658..9844, 9993..10024, 10250..10416, 10507..12046		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o7.tm	Method	TBLASTX:Maize
Start	7003	End	8314
GI	none	Score	96
Exons	7003..7071, 7291..7350, 7297..7395, 7299..7412, 7299..7388, 7742..7783, 7901..7927, 7961..8125, 8004..8126, 8195..8314, 8195..8227, 8233..8265		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o2.np	Method	AAT/NAP
Start	10209	End	12651
GI	6899930	Score	633
Exons	10209..10430, 10521..11753, 11787..12061, 12629..12651		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o2.tm	Method	TBLASTX:Maize
Start	10209	End	10812
GI	none	Score	221
Exons	10209..10427, 10209..10430, 10219..10428, 10504..10812, 10506..10811		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o5.ts	Method	TBLASTX:Soybean
Start	10272	End	10877
GI	none	Score	95
Exons	10272..10421, 10285..10419, 10611..10874, 10611..10877, 10612..10875		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o4.tm	Method	TBLASTX:Maize
Start	11061	End	11801
GI	none	Score	87
Exons	11061..11177, 11061..11276, 11063..11278, 11075..11281, 11286..11384, 11305..11352, 11306..11374, 11346..11462, 11358..11465, 11359..11466, 11365..11469, 11529..11693, 11560..11640, 11576..11674, 11583..11693, 11735..11800, 11760..11801		

Seq. No.	36581	Seq. ID	OJ990808_45.9C06.C11
Gene No.	75294	Strand	-
Start	4220	End	12651
Name	OJ990808_45.9C06.C11.o6.tm	Method	TBLASTX:Maize
Start	11847	End	12050
GI	none	Score	147
Exons	11847..11957, 11847..11957, 11848..11958, 11958..12050, 11961..12050		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o1.np	Method	AAT/NAP
Start	1	End	316
GI	6899930	Score	255
Exons	1..316		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o2.tc	Method	TBLASTX:Cress
Start	12	End	231
GI	none	Score	146
Exons	12..212, 19..231		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o2.tm	Method	TBLASTX:Maize
Start	16	End	231
GI	none	Score	268
Exons	16..231, 18..230		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o2.ts	Method	TBLASTX:Soybean
Start	18	End	231
GI	none	Score	227
Exons	18..230, 19..231		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o1.gs	Method	GENSCAN
Start	20	End	5803
GI	none	Score	.8
Exons	20..333, 1625..1757, 4302..4506, 5239..5386, 5623..5803		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o1.gp	Method	AAT/GAP
Start	3628	End	5726
GI	3376_2.R1084	Score	1608

Exons	3628..4042, 4302..4506, 5239..5386, 5623..5726		
GI Descrip.	'3695005 2.0e-76 (AF038586) pyruvate dehydrogenase kinase isoform 2; PDK2 [Zea mays]'		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o1.tm	Method	TBLASTX:Maize
Start	3977	End	4517
GI	none	Score	69
Exons	3977..4039, 3978..4043, 4276..4512, 4290..4517, 4298..4459		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o3.ts	Method	TBLASTX:Soybean
Start	3981	End	5746
GI	none	Score	173
Exons	3981..4043, 5236..5385, 5237..5386, 5617..5691, 5622..5690, 5661..5744, 5693..5746, 5695..5736		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o1.tc	Method	TBLASTX:Cress
Start	3984	End	5852
GI	none	Score	169
Exons	3984..4043, 4276..4422, 4298..4399, 4305..4406, 4414..4527, 4414..4527, 5236..5385, 5237..5386, 5616..5804, 5617..5805, 5622..5813, 5808..5852		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o2.np	Method	AAT/NAP
Start	3987	End	5852
GI	3695005	Score	823
Exons	3987..4042, 4302..4506, 5239..5386, 5623..5852		
GI Descrip.	(AF038586) pyruvate dehydrogenase kinase isoform 2; PDK2 [Zea mays]		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o1.ts	Method	TBLASTX:Soybean
Start	4314	End	4518
GI	none	Score	188
Exons	4314..4511, 4315..4518, 4316..4459		

Seq. No.	36582	Seq. ID	OJ990808_45.9C06.C12
Gene No.	75295	Strand	-
Start	1	End	5852
Name	OJ990808_45.9C06.C12.o3.tm	Method	TBLASTX:Maize
Start	5236	End	5813
GI	none	Score	232
Exons	5236..5385, 5237..5386, 5613..5813, 5616..5804, 5617..5805		

Seq. No.	36583	Seq. ID	OJ990808_45.9C06.C13
Gene No.	75296	Strand	+
Start	910	End	1056
Name	OJ990808_45.9C06.C13.o1.gs	Method	GENSCAN
Start	910	End	1056
GI	none	Score	.42
Exons	910..1056		

Seq. No.	36583	Seq. ID	OJ990808_45.9C06.C13
Gene No.	75297	Strand	+
Start	2658	End	5883
Name	OJ990808_45.9C06.C13.o2.np	Method	AAT/NAP
Start	2658	End	5883
GI	6721512	Score	170
Exons	2658..2700, 4390..4504, 4532..4666, 4709..4745, 5857..5883		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36583	Seq. ID	OJ990808_45.9C06.C13
Gene No.	75298	Strand	-
Start	1	End	1193
Name	OJ990808_45.9C06.C13.o1.gp	Method	AAT/GAP
Start	1	End	1193
GI	3376_1.R1084	Score	697
Exons	1..94, 903..1193		
GI Descrip.	'4454038/emb|CAA23035.1| 6.0e-10 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	36583	Seq. ID	OJ990808_45.9C06.C13
Gene No.	75298	Strand	-
Start	1	End	1193
Name	OJ990808_45.9C06.C13.o1.np	Method	AAT/NAP
Start	1	End	1139
GI	3695005	Score	474
Exons	1..94, 903..1139		
GI Descrip.	(AF038586) pyruvate dehydrogenase kinase isoform 2; PDK2 [Zea mays]		

Seq. No.	36583	Seq. ID	OJ990808_45.9C06.C13
Gene No.	75299	Strand	-
Start	1793	End	4733
Name	OJ990808_45.9C06.C13.o1.tm	Method	TBLASTX:Maize
Start	8	End	1140
GI	none	Score	115
Exons	8..100, 9..101, 10..96, 11..100, 900..1139, 901..1140		

Seq. No.	36583	Seq. ID	OJ990808_45.9C06.C13
Gene No.	75299	Strand	-
Start	1793	End	4733
Name	OJ990808_45.9C06.C13.o1.tc	Method	TBLASTX:Cress
Start	11	End	1142
GI	none	Score	82
Exons	11..100, 12..101, 900..1142, 901..1137		

Seq. No.	36583	Seq. ID	OJ990808_45.9C06.C13
Gene No.	75299	Strand	-
Start	1793	End	4733
Name	OJ990808_45.9C06.C13.o1.ts	Method	TBLASTX:Soybean

Start	11	End	1142
GI	none	Score	90
Exons	11..100, 12..101, 900..1142, 994..1107		

Seq. No.	36583	Seq. ID	OJ990808_45.9C06.C13
Gene No.	75299	Strand	-
Start	1793	End	4733
Name	OJ990808_45.9C06.C13.o2.gs	Method	GENSCAN
Start	1793	End	4733
GI	none	Score	.75
Exons	1793..1859, 4291..4441, 4586..4733		

Seq. No.	36584	Seq. ID	OJ990808_45.9C06.C14
Gene No.	75300	Strand	+
Start	1202	End	1353
Name	OJ990808_45.9C06.C14.o1.gs	Method	GENSCAN
Start	1202	End	1353
GI	none	Score	.53
Exons	1202..1353		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75301	Strand	+
Start	6214	End	12222
Name	OJ990808_45.9C06.C15.o3.gs	Method	GENSCAN
Start	6214	End	11942
GI	none	Score	.7
Exons	6214..6246, 7266..7399, 7694..7809, 9484..9658, 10208..10301, 10396..10433, 10573..10664, 10753..10832, 10906..10962, 11079..11204, 11841..11942		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75301	Strand	+
Start	6214	End	12222
Name	OJ990808_45.9C06.C15.o1.gp	Method	AAT/GAP
Start	9554	End	10952
GI	62172_2.R1084	Score	788
Exons	9554..9658, 9875..9967, 10208..10301, 10396..10433, 10573..10664, 10753..10832, 10906..10952		
GI Descrip.	'5733886/gb|AAD49774.1|AC007932_22 1.0e-44 (AC007932) F11A17.20 [Arabidopsis thaliana]'		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75301	Strand	+
Start	6214	End	12222
Name	OJ990808_45.9C06.C15.o1.np	Method	AAT/NAP
Start	9582	End	11927
GI	5733886	Score	591
Exons	9582..9658, 9875..9967, 10208..10301, 10396..10433, 10573..10664, 10753..10832, 10906..10962, 11079..11171, 11340..11414, 11841..11927		
GI Descrip.	(AC007932) F11A17.20 [Arabidopsis thaliana]		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75301	Strand	+
Start	6214	End	12222
Name	OJ990808_45.9C06.C15.o2.gp	Method	AAT/GAP
Start	11085	End	12222

GI	26795_1.R1084	Score	1034
Exons	11085..11171, 11340..11414, 11841..12222		
GI Descrip.	'5733886/gb|AAD49774.1|AC007932_22 3.0e-32 (AC007932) F11A17.20 [Arabidopsis thaliana]'		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75302	Strand	-
Start	694	End	3279
Name	OJ990808_45.9C06.C15.o1.gs	Method	GENSCAN
Start	694	End	3279
GI	none	Score	.63
Exons	694..2357, 2679..2920, 3126..3189, 3216..3279		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75303	Strand	-
Start	3894	End	4902
Name	OJ990808_45.9C06.C15.o2.gs	Method	GENSCAN
Start	3894	End	4902
GI	none	Score	.74
Exons	3894..4311, 4829..4902		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75304	Strand	-
Start	12586	End	16711
Name	OJ990808_45.9C06.C15.o1.tm	Method	TBLASTX:Maize
Start	9578	End	11966
GI	none	Score	121
Exons	9578..9658, 9579..9659, 10203..10304, 10207..10284, 10395..10442, 10395..10436, 10570..10614, 10574..10594, 10592..10621, 10614..10664, 10644..10664, 10742..10828, 10746..10829, 10755..10829, 10759..10830, 10908..10961, 10909..10962, 11078..11164, 11078..11173, 11079..11174, 11080..11181, 11337..11405, 11339..11410, 11339..11413, 11814..11966, 11838..11912		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75304	Strand	-
Start	12586	End	16711
Name	OJ990808_45.9C06.C15.o1.tw	Method	TBLASTX:Wheat
Start	10203	End	11111
GI	none	Score	131
Exons	10203..10304, 10206..10271, 10207..10293, 10395..10436, 10396..10434, 10570..10644, 10574..10645, 10574..10648, 10729..10833, 10742..10870, 10746..10835, 10904..10957, 10905..10961, 10906..10962, 11079..11111, 11086..11109		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75304	Strand	-
Start	12586	End	16711
Name	OJ990808_45.9C06.C15.o1.tc	Method	TBLASTX:Cress
Start	10263	End	11410
GI	none	Score	55
Exons	10263..10304, 10396..10434, 10574..10621, 10746..10835, 10748..10834, 10905..10961, 10906..10977, 11079..11174, 11336..11410, 11337..11405		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15

Gene No.	75304	Strand	-
Start	12586	End	16711
Name	OJ990808_45.9C06.C15.o4.gs	Method	GENSCAN
Start	12586	End	16698
GI	none	Score	.78
Exons	12586..12713, 12830..12896, 13310..13359, 14914..15056, 15432..15493, 15777..15888, 16006..16121, 16199..16361, 16403..16698		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75304	Strand	-
Start	12586	End	16711
Name	OJ990808_45.9C06.C15.o2.np	Method	AAT/NAP
Start	12607	End	16711
GI	3482920	Score	743
Exons	12607..12713, 12814..12896, 13179..13231, 13310..13380, 14914..15056, 15432..15493, 15582..15674, 15777..15888, 16006..16121, 16199..16322, 16403..16469, 16675..16711		
GI Descrip.	(AC003970) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36585	Seq. ID	OJ990808_45.9C06.C15
Gene No.	75304	Strand	-
Start	12586	End	16711
Name	OJ990808_45.9C06.C15.o2.tm	Method	TBLASTX:Maize
Start	15431	End	15888
GI	none	Score	52
Exons	15431..15505, 15431..15505, 15432..15509, 15599..15676, 15600..15677, 15601..15675, 15603..15677, 15604..15687, 15777..15887, 15777..15887, 15826..15888		

Seq. No.	36586	Seq. ID	OJ990808_47.9C20.C1
Gene No.	75305	Strand	-
Start	1	End	507
Name	OJ990808_47.9C20.C1.o1.gp	Method	AAT/GAP
Start	1	End	507
GI	uC-osflm202104d09b1	Score	939
Exons	1..507		
GI Descrip.	'4033735 7.0e-11 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]'		

Seq. No.	36586	Seq. ID	OJ990808_47.9C20.C1
Gene No.	75305	Strand	-
Start	1	End	507
Name	OJ990808_47.9C20.C1.o1.np	Method	AAT/NAP
Start	1	End	494
GI	6912654	Score	193
Exons	1..494		
GI Descrip.	spliceosome-associated factor 155 gi|4033735 (AF054284) spliceosomal protein SAP 155 [Homo sapiens]		

Seq. No.	36586	Seq. ID	OJ990808_47.9C20.C1
Gene No.	75305	Strand	-
Start	1	End	507
Name	OJ990808_47.9C20.C1.o1.tm	Method	TBLASTX:Maize
Start	3	End	458
GI	none	Score	113
Exons	3..98, 4..87, 81..104, 128..163, 136..165, 174..254, 217..243,		

238..423, 303..458

Seq. No.	36586	Seq. ID	OJ990808_47.9C20.C1
Gene No.	75305	Strand	-
Start	1	End	507
Name	OJ990808_47.9C20.C1.o1.gs	Method	GENSCAN
Start	68	End	473
GI	none	Score	.99
Exons	68..473		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75306	Strand	+
Start	1557	End	3187
Name	OJ990808_47.9C20.C2.o1.gs	Method	GENSCAN
Start	1557	End	2498
GI	none	Score	.68
Exons	1557..2006, 2076..2498		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75306	Strand	+
Start	1557	End	3187
Name	OJ990808_47.9C20.C2.o1.np	Method	AAT/NAP
Start	1557	End	3187
GI	4680179	Score	857
Exons	1557..2297, 2968..3187		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75307	Strand	+
Start	8373	End	9351
Name	OJ990808_47.9C20.C2.o4.gs	Method	GENSCAN
Start	8373	End	9351
GI	none	Score	.94
Exons	8373..8458, 8494..8768, 9077..9351		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75308	Strand	-
Start	2783	End	6911
Name	OJ990808_47.9C20.C2.o2.np	Method	AAT/NAP
Start	2783	End	6911
GI	5902445	Score	633
Exons	2783..2821, 5537..5663, 5723..6911		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75308	Strand	-
Start	2783	End	6911
Name	OJ990808_47.9C20.C2.o2.gs	Method	GENSCAN
Start	3505	End	3876
GI	none	Score	.67
Exons	3505..3876		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75308	Strand	-
Start	2783	End	6911
Name	OJ990808_47.9C20.C2.o3.gs	Method	GENSCAN
Start	4601	End	6620

GI	none	Score	.71
Exons	4601..4693, 4707..4826, 5237..5390, 5429..5515, 5826..5934, 6134..6620		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o2.ts	Method	TBLASTX:Soybean
Start	437	End	5664
GI	none	Score	75
Exons	437..679, 441..554, 5580..5663, 5587..5664		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o2.tw	Method	TBLASTX:Wheat
Start	1770	End	2150
GI	none	Score	301
Exons	1770..2150, 1790..2149		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o3.tm	Method	TBLASTX:Maize
Start	2054	End	2358
GI	none	Score	190
Exons	2054..2218, 2058..2294, 2293..2358		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o1.ts	Method	TBLASTX:Soybean
Start	5871	End	6341
GI	none	Score	55
Exons	5871..6017, 5873..6058, 6096..6341, 6103..6306		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o3.tw	Method	TBLASTX:Wheat
Start	5957	End	6338
GI	none	Score	189
Exons	5957..6058, 6096..6338		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o1.tm	Method	TBLASTX:Maize
Start	6026	End	6488
GI	none	Score	68
Exons	6026..6085, 6027..6086, 6030..6488, 6031..6339, 6096..6341, 6239..6487		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o1.tw	Method	TBLASTX:Wheat

Start	6357	End	6764
GI	none	Score	76
Exons	6357..6764, 6359..6496, 6433..6747		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o2.tm	Method	TBLASTX:Maize
Start	6489	End	6704
GI	none	Score	86
Exons	6489..6701, 6489..6704, 6490..6702		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o5.gs	Method	GENSCAN
Start	10130	End	14186
GI	none	Score	.48
Exons	10130..10243, 10878..10928, 11220..11500, 11573..12064, 12808..12920, 13522..13620, 14104..14186		

Seq. No.	36587	Seq. ID	OJ990808_47.9C20.C2
Gene No.	75309	Strand	-
Start	10130	End	14186
Name	OJ990808_47.9C20.C2.o3.ts	Method	TBLASTX:Soybean
Start	11424	End	11786
GI	none	Score	185
Exons	11424..11786		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75310	Strand	+
Start	2250	End	11531
Name	OJ990808_47.9C20.C3.o2.gs	Method	GENSCAN
Start	2250	End	3652
GI	none	Score	.63
Exons	2250..2264, 2363..2489, 2506..2679, 3627..3652		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75310	Strand	+
Start	2250	End	11531
Name	OJ990808_47.9C20.C3.o1.gp	Method	AAT/GAP
Start	2344	End	8608
GI	11732_1:R1084	Score	3126
Exons	2344..2679, 7251..7327, 7419..8608		
GI Descrip.	'4101703 1.0e-103 (AF006078) glucose acyltransferase [Solanum berthaultii]'		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75310	Strand	+
Start	2250	End	11531
Name	OJ990808_47.9C20.C3.o1.np	Method	AAT/NAP
Start	2379	End	8420
GI	6598856	Score	905
Exons	2379..2679, 7251..7327, 7419..7925, 7983..8420		
GI Descrip.	(AC010556) putative serine carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75310	Strand	+
Start	2250	End	11531
Name	OJ990808_47.9C20.C3.o2.np	Method	AAT/NAP
Start	6367	End	11531
GI	6539553	Score	614
Exons	6367..6405, 10976..11248, 11283..11531		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75310	Strand	+
Start	2250	End	11531
Name	OJ990808_47.9C20.C3.o4.gs	Method	GENSCAN
Start	7211	End	8426
GI	none	Score	.97
Exons	7211..7327, 7419..8426		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75311	Strand	+
Start	12310	End	32445
Name	OJ990808_47.9C20.C3.o6.gs	Method	GENSCAN
Start	12310	End	13781
GI	none	Score	.63
Exons	12310..12505, 12647..12841, 13101..13117, 13183..13299, 13545..13781		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75311	Strand	+
Start	12310	End	32445
Name	OJ990808_47.9C20.C3.o3.np	Method	AAT/NAP
Start	13075	End	17957
GI	6539553	Score	926
Exons	13075..13807, 17886..17957		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75311	Strand	+
Start	12310	End	32445
Name	OJ990808_47.9C20.C3.o4.np	Method	AAT/NAP
Start	15077	End	17952
GI	6598853	Score	844
Exons	15077..15153, 15584..16088, 16149..16317, 16410..16493, 16593..16661, 16987..17058, 17181..17413, 17519..17564, 17872..17952		
GI Descrip.	(AC010556) putative serine carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75311	Strand	+
Start	12310	End	32445
Name	OJ990808_47.9C20.C3.o7.gs	Method	GENSCAN

Start	15474	End	20679
GI	none	Score	.79
Exons	15474..16139, 16216..16380, 16593..16688, 17181..17413, 17519..17564, 20518..20679		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75311	Strand	+
Start	12310	End	32445
Name	OJ990808_47.9C20.C3.o8.np	Method	AAT/NAP
Start	16716	End	32375
GI	4680183	Score	197
Exons	16716..16802, 31610..31680, 32286..32375		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75311	Strand	+
Start	12310	End	32445
Name	OJ990808_47.9C20.C3.o2.gp	Method	AAT/GAP
Start	21159	End	21735
GI	3826_1.R1084	Score	1121
Exons	21159..21735		
GI Descrip.	'282882/pir||S27755 6.0e-15 receptor-like protein kinase precursor - Arabidopsis thaliana >gi 166848 (M84659) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75311	Strand	+
Start	12310	End	32445
Name	OJ990808_47.9C20.C3.o7.np	Method	AAT/NAP
Start	30500	End	32445
GI	3236256	Score	135
Exons	30500..30726, 31378..31445, 32411..32445		
GI Descrip.	(AC004684) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75312	Strand	-
Start	272	End	1600
Name	OJ990808_47.9C20.C3.o1.gs	Method	GENSCAN
Start	272	End	1600
GI	none	Score	.87
Exons	272..699, 1513..1600		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75313	Strand	-
Start	5672	End	6337
Name	OJ990808_47.9C20.C3.o3.gs	Method	GENSCAN
Start	5672	End	6337
GI	none	Score	.79
Exons	5672..6337		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75314	Strand	-
Start	9023	End	10750
Name	OJ990808_47.9C20.C3.o5.gs	Method	GENSCAN
Start	9023	End	10750
GI	none	Score	.76

Exons	9023..9036, 9539..9721, 10411..10489, 10682..10750		
Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o5.tw	Method	TBLASTX:Wheat
Start	2472	End	15803
GI	none	Score	203
Exons	2472..2681, 2532..2612, 2588..2680, 15600..15803, 15603..15797, 15611..15802		
Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o3.ts	Method	TBLASTX:Soybean
Start	2475	End	17219
GI	none	Score	232
Exons	2475..2699, 2495..2539, 2533..2598, 2582..2680, 15600..15815, 15611..15805, 15834..15905, 16996..17058, 17178..17219		
Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o2.tc	Method	TBLASTX:Cress
Start	2478	End	16317
GI	none	Score	192
Exons	2478..2681, 2588..2680, 7250..7330, 7418..7468, 7419..7637, 7529..7618, 7635..7808, 7685..7801, 15600..15821, 15614..15820, 15834..16013, 15878..16009, 16014..16091, 16198..16317		
Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o1.tm	Method	TBLASTX:Maize
Start	2512	End	17955
GI	none	Score	42
Exons	2512..2547, 2529..2549, 2553..2606, 2565..2606, 2603..2680, 2607..2681, 7250..7330, 7419..7640, 7439..7618, 7668..7916, 7685..7906, 7983..8087, 8099..8284, 8111..8224, 8112..8402, 8246..8392, 15630..15695, 15637..15669, 15690..15728, 15725..15817, 15729..15815, 15834..16016, 15836..16009, 16020..16085, 16022..16084, 16198..16323, 17178..17210, 17214..17414, 17321..17416, 17529..17564, 17871..17924, 17872..17955		
Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o1.tw	Method	TBLASTX:Wheat
Start	7261	End	16311
GI	none	Score	113
Exons	7261..7329, 7262..7330, 7418..7621, 7419..7652, 7422..7646, 7644..7772, 7665..7769, 15846..16016, 15866..15997, 16020..16139, 16022..16138, 16207..16311, 16215..16298		
Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-

Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o1.ts	Method	TBLASTX:Soybean
Start	7446	End	17961
GI	none	Score	164
Exons	7446..7652, 7529..7624, 7728..7808, 7818..7907, 7974..8087, 8103..8408, 8156..8407, 15909..16007, 16020..16115, 16198..16242, 16267..16317, 17223..17414, 17276..17416, 17290..17313, 17303..17413, 17520..17564, 17865..17948, 17872..17961		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o3.tc	Method	TBLASTX:Cress
Start	8001	End	17967
GI	none	Score	45
Exons	8001..8066, 8058..8402, 8111..8386, 17163..17414, 17303..17422, 17520..17594, 17872..17967		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o2.tw	Method	TBLASTX:Wheat
Start	10960	End	11395
GI	none	Score	141
Exons	10960..11244, 10978..11244, 10997..11254, 11003..11248, 11280..11387, 11280..11375, 11285..11395, 11288..11395		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o4.tw	Method	TBLASTX:Wheat
Start	13069	End	13452
GI	none	Score	190
Exons	13069..13344, 13083..13370, 13331..13450, 13332..13451, 13345..13452		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o3.tm	Method	TBLASTX:Maize
Start	13204	End	13512
GI	none	Score	129
Exons	13204..13344, 13212..13343, 13255..13344, 13341..13511, 13341..13508, 13354..13512		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o6.np	Method	AAT/NAP
Start	13858	End	30509
GI	3063699	Score	508
Exons	13858..13918, 21321..22031, 22068..22509, 22707..23320, 23585..23814, 30384..30509		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3

Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o5.np	Method	AAT/NAP
Start	20213	End	23821
GI	5091617	Score	690
Exons	20213..20324, 21394..22027, 22061..22519, 22557..23821		
GI Descrip.	(AC007454) Contains similarity to gi|479356 protein kinase PK1 from Zea mays, is a member of the PF|00954 S-locus glycoprotein family and contains a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o8.gs	Method	GENSCAN
Start	21380	End	23821
GI	none	Score	1
Exons	21380..23821		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o1.tc	Method	TBLASTX:Cress
Start	21401	End	22352
GI	none	Score	89
Exons	21401..21529, 21405..21530, 21626..21757, 21696..21758, 21770..22012, 21843..21947, 21851..21961, 22052..22129, 22067..22246, 22083..22247, 22259..22351, 22260..22352		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o2.tm	Method	TBLASTX:Maize
Start	21419	End	22351
GI	none	Score	42
Exons	21419..21523, 21689..21754, 21773..22018, 21774..21803, 21837..21920, 22061..22225, 22062..22229, 22229..22312, 22307..22351		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o2.ts	Method	TBLASTX:Soybean
Start	21419	End	22357
GI	none	Score	44
Exons	21419..21526, 21686..21775, 21696..21776, 21776..21835, 21777..21818, 21819..21941, 21821..21991, 22046..22357, 22074..22340		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o3.tw	Method	TBLASTX:Wheat
Start	21761	End	22196
GI	none	Score	84
Exons	21761..21814, 21833..22012, 21852..21944, 22064..22195, 22065..22196		

Seq. No.	36588	Seq. ID	OJ990808_47.9C20.C3
Gene No.	75315	Strand	-
Start	13858	End	32253
Name	OJ990808_47.9C20.C3.o9.gs	Method	GENSCAN
Start	29391	End	32253
GI	none	Score	.43
Exons	29391..29432, 29884..29991, 30325..30350, 30592..30775, 32164..32253		

Seq. No.	36589	Seq. ID	OJ990808_47.9C20.C4
Gene No.	75316	Strand	+
Start	2613	End	3554
Name	OJ990808_47.9C20.C4.o1.gs	Method	GENSCAN
Start	2613	End	3554
GI	none	Score	1
Exons	2613..3554		

Seq. No.	36589	Seq. ID	OJ990808_47.9C20.C4
Gene No.	75316	Strand	+
Start	2613	End	3554
Name	OJ990808_47.9C20.C4.o1.np	Method	AAT/NAP
Start	2619	End	3551
GI	2501578	Score	1315
Exons	2619..3551		
GI Descrip.	ETHYLENE-INDUCIBLE PROTEIN HEVER gi|2129913|pir||S60047 ethylene-responsive protein 1 - Para rubber tree gi|1209317 (M88254) ethylene-inducible protein [Hevea brasiliensis]		

Seq. No.	36589	Seq. ID	OJ990808_47.9C20.C4
Gene No.	75317	Strand	+
Start	5706	End	9062
Name	OJ990808_47.9C20.C4.o2.np	Method	AAT/NAP
Start	5706	End	9062
GI	6721547	Score	107
Exons	5706..5800, 9008..9062		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	36589	Seq. ID	OJ990808_47.9C20.C4
Gene No.	75318	Strand	-
Start	3083	End	3705
Name	OJ990808_47.9C20.C4.o1.gp	Method	AAT/GAP
Start	3083	End	3705
GI	3193_4.R1084	Score	1092
Exons	3083..3705		
GI Descrip.	'2501578/sp|Q39963|ER1_HEVBR 2.0e-52 ETHYLENE-INDUCIBLE PROTEIN HEVER >gi_2129913_pir__S60047 ethylene-responsive protein 1 - Para rubber tree >gi_1209317 (M88254) ethylene-inducible protein [Hevea brasiliensis]'		

Seq. No.	36589	Seq. ID	OJ990808_47.9C20.C4
Gene No.	75319	Strand	-
Start	8454	End	9057
Name	OJ990808_47.9C20.C4.o1.tm	Method	TBLASTX:Maize
Start	2610	End	3554
GI	none	Score	54
Exons	2610..2651, 2672..3517, 2673..3521, 3183..3542, 3415..3522,		

3525..3554

Seq. No.	36589	Seq. ID	OJ990808_47.9C20.C4
Gene No.	75319	Strand	-
Start	8454	End	9057
Name	OJ990808_47.9C20.C4.o1.ts	Method	TBLASTX:Soybean
Start	2612	End	3521
GI	none	Score	1245
Exons	2612..3517, 2613..3521		

Seq. No.	36589	Seq. ID	OJ990808_47.9C20.C4
Gene No.	75319	Strand	-
Start	8454	End	9057
Name	OJ990808_47.9C20.C4.o1.tc	Method	TBLASTX:Cress
Start	2622	End	3521
GI	none	Score	1236
Exons	2622..3521, 2684..2944, 3011..3511		

Seq. No.	36589	Seq. ID	OJ990808_47.9C20.C4
Gene No.	75319	Strand	-
Start	8454	End	9057
Name	OJ990808_47.9C20.C4.o2.gs	Method	GENSCAN
Start	8454	End	9057
GI	none	Score	.44
Exons	8454..8693, 8941..9057		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o1.np	Method	AAT/NAP
Start	3016	End	5138
GI	3386604	Score	557
Exons	3016..3219, 3289..3944, 4323..4868, 5040..5138		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o2.tc	Method	TBLASTX:Cress
Start	3022	End	3587
GI	none	Score	81
Exons	3022..3072, 3064..3165, 3273..3314, 3384..3512, 3522..3587		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o1.ts	Method	TBLASTX:Soybean
Start	3026	End	3814
GI	none	Score	53
Exons	3026..3070, 3028..3072, 3043..3165, 3062..3187, 3081..3182, 3265..3306, 3273..3317, 3327..3365, 3384..3497, 3384..3611, 3391..3612, 3552..3617, 3621..3803, 3625..3798, 3657..3803, 3695..3814		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889

Name	OJ990808_47.9C20.C5.o1.gs	Method	GENSCAN
Start	3225	End	9889
GI	none	Score	.64
Exons	3225..3944, 4323..4530, 4567..4868, 5040..5162, 5258..5696, 7745..7854, 7895..7923, 7967..8085, 8245..8420, 9716..9889		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o1.tm	Method	TBLASTX:Maize
Start	3384	End	3947
GI	none	Score	64
Exons	3384..3611, 3391..3612, 3597..3947, 3598..3918		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o2.np	Method	AAT/NAP
Start	3475	End	8515
GI	3386604	Score	562
Exons	3475..3944, 4323..4868, 5040..5497, 7741..7854, 7967..8085, 8245..8515		
GI_Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o1.tw	Method	TBLASTX:Wheat
Start	3648	End	3921
GI	none	Score	69
Exons	3648..3797, 3648..3920, 3679..3921		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o1.tc	Method	TBLASTX:Cress
Start	3681	End	3944
GI	none	Score	95
Exons	3681..3944, 3682..3924		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o2.tm	Method	TBLASTX:Maize
Start	4320	End	4769
GI	none	Score	261
Exons	4320..4769, 4321..4566, 4323..4742, 4630..4767		

Seq. No.	36590	Seq. ID	OJ990808_47.9C20.C5
Gene No.	75320	Strand	-
Start	3225	End	9889
Name	OJ990808_47.9C20.C5.o3.tm	Method	TBLASTX:Maize
Start	7991	End	8392
GI	none	Score	109
Exons	7991..8086, 7992..8084, 8244..8384, 8246..8392, 8246..8374		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6

Gene No.	75321	Strand	+
Start	452	End	5860
Name	OJ990808_47.9C20.C6.o1.gs	Method	GENSCAN
Start	452	End	5860
GI	none	Score	.48
Exons	452..528, 877..974, 2425..2517, 2894..2984, 5783..5860		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75322	Strand	+
Start	6538	End	23026
Name	OJ990808_47.9C20.C6.o1.gp	Method	AAT/GAP
Start	6477	End	7275
GI	none	Score	862
Exons	6477..6806, 6942..7014, 7126..7165, 7248..7275		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75322	Strand	+
Start	6538	End	23026
Name	OJ990808_47.9C20.C6.o2.gs	Method	GENSCAN
Start	6538	End	23026
GI	none	Score	.6
Exons	6538..6806, 6843..7014, 7126..7165, 7248..7430, 7825..7897, 8213..8255, 8376..8630, 8780..9022, 9594..9685, 17932..18117, 18245..18442, 18968..19029, 19357..19467, 19632..19698, 19875..20035, 20798..20941, 22776..23026		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75322	Strand	+
Start	6538	End	23026
Name	OJ990808_47.9C20.C6.o2.gp	Method	AAT/GAP
Start	8860	End	18119
GI	8513_1.R1084	Score	781
Exons	8860..9022, 9594..9685, 17932..18119		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75323	Strand	+
Start	24307	End	26058
Name	OJ990808_47.9C20.C6.o3.gs	Method	GENSCAN
Start	24307	End	26058
GI	none	Score	.68
Exons	24307..24344, 24680..25065, 25228..25400, 25432..25565, 25998..26058		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75324	Strand	+
Start	28045	End	36107
Name	OJ990808_47.9C20.C6.o5.gs	Method	GENSCAN
Start	28045	End	31088
GI	none	Score	.63
Exons	28045..28128, 28264..28351, 28353..29939, 30292..31088		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75324	Strand	+
Start	28045	End	36107
Name	OJ990808_47.9C20.C6.o1.np	Method	AAT/NAP

Start	30255	End	33365
GI	6630685	Score	4629
Exons	30255..30326, 30617..33365		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75324	Strand	+
Start	28045	End	36107
Name	OJ990808_47.9C20.C6.o6.gs	Method	GENSCAN
Start	31140	End	36107
GI	none	Score	.68
Exons	31140..32402, 32451..33318, 34194..34272, 34670..36107		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75325	Strand	+
Start	42219	End	43619
Name	OJ990808_47.9C20.C6.o2.np	Method	AAT/NAP
Start	41984	End	43619
GI	4680203	Score	989
Exons	41984..43328, 43481..43619		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75325	Strand	+
Start	42219	End	43619
Name	OJ990808_47.9C20.C6.o9.gs	Method	GENSCAN
Start	42219	End	42581
GI	none	Score	.7
Exons	42219..42395, 42426..42581		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75326	Strand	-
Start	18650	End	18806
Name	OJ990808_47.9C20.C6.o3.gp	Method	AAT/GAP
Start	18650	End	18806
GI	1037056	Score	269
Exons	18650..18806		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75327	Strand	-
Start	26671	End	27456
Name	OJ990808_47.9C20.C6.o4.gs	Method	GENSCAN
Start	26671	End	27456
GI	none	Score	.79
Exons	26671..27174, 27355..27456		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75328	Strand	-
Start	36811	End	37699
Name	OJ990808_47.9C20.C6.o7.gs	Method	GENSCAN
Start	36811	End	37699
GI	none	Score	.85
Exons	36811..37246, 37281..37699		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-

Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o7.tm	Method	TBLASTX:Maize
Start	7265	End	7881
GI	none	Score	40
Exons	7265..7288, 7267..7287, 7286..7429, 7293..7415, 7294..7434, 7540..7641, 7550..7642, 7823..7876, 7825..7881		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o1.tc	Method	TBLASTX:Cress
Start	7289	End	9028
GI	none	Score	163
Exons	7289..7429, 7312..7434, 7555..7644, 7562..7642, 7822..7887, 7823..7900, 8768..8944, 8960..9028		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o9.tm	Method	TBLASTX:Maize
Start	28475	End	28723
GI	none	Score	194
Exons	28475..28723		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o6.tm	Method	TBLASTX:Maize
Start	30088	End	30428
GI	none	Score	86
Exons	30088..30162, 30089..30160, 30174..30413, 30186..30428, 30290..30427		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o5.tw	Method	TBLASTX:Wheat
Start	30207	End	30506
GI	none	Score	212
Exons	30207..30506, 30212..30241, 30296..30421		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o4.tm	Method	TBLASTX:Maize
Start	30429	End	30824
GI	none	Score	140
Exons	30429..30557, 30437..30544, 30548..30823, 30552..30824		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o1.tw	Method	TBLASTX:Wheat
Start	30588	End	31160
GI	none	Score	274
Exons	30588..30836, 30596..30820, 30760..30888, 30847..30891, 30872..31159, 30876..31160		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o2.tm	Method	TBLASTX:Maize
Start	30825	End	31697
GI	none	Score	111
Exons	30825..30896, 30830..31570, 30897..31697, 31574..31615		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o3.ts	Method	TBLASTX:Soybean
Start	31005	End	31466
GI	none	Score	303
Exons	31005..31466, 31025..31315, 31340..31450		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o2.tc	Method	TBLASTX:Cress
Start	31041	End	31463
GI	none	Score	218
Exons	31041..31463		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o3.tw	Method	TBLASTX:Wheat
Start	31248	End	31592
GI	none	Score	133
Exons	31248..31337, 31250..31324, 31326..31490, 31337..31486, 31512..31592		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o5.tm	Method	TBLASTX:Maize
Start	31706	End	31997
GI	none	Score	436
Exons	31706..31996, 31707..31997, 31860..31997		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o1.ts	Method	TBLASTX:Soybean
Start	31730	End	32338
GI	5509260	Score	230
Exons	31730..31939, 31731..31943, 31955..32338, 31956..32336		
GI Descrip.	-		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o2.tw	Method	TBLASTX:Wheat
Start	31872	End	32324
GI	none	Score	83

Exons	31872..31943, 31940..31975, 31967..32122, 31975..32181, 31977..32324, 31979..32311		
Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o4.tc	Method	TBLASTX:Cress
Start	31938	End	32219
GI	none	Score	193
Exons	31938..32219, 31940..32185		
Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o3.tm	Method	TBLASTX:Maize
Start	32000	End	32465
GI	none	Score	212
Exons	32000..32326, 32000..32446, 32001..32465		
Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o8.tm	Method	TBLASTX:Maize
Start	32487	End	32690
GI	none	Score	220
Exons	32487..32690, 32507..32689		
Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o1.tm	Method	TBLASTX:Maize
Start	32691	End	33394
GI	none	Score	996
Exons	32691..33386, 32695..33147, 32699..33382, 33185..33394, 33283..33384		
Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o2.ts	Method	TBLASTX:Soybean
Start	32709	End	33350
GI	none	Score	293
Exons	32709..33098, 32714..33085, 33117..33350		
Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o6.tw	Method	TBLASTX:Wheat
Start	32847	End	33314
GI	none	Score	111
Exons	32847..33107, 33002..33082, 33126..33314, 33185..33301		
Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o3.tc	Method	TBLASTX:Cress
Start	32892	End	33347

GI	none	Score	59
Exons	32892..32978, 32982..33116, 33135..33347		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75329	Strand	-
Start	40316	End	40942
Name	OJ990808_47.9C20.C6.o8.gs	Method	GENSCAN
Start	40316	End	40942
GI	none	Score	.49
Exons	40316..40633, 40841..40942		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75330	Strand	
Start	42687	End	42993
Name	OJ990808_47.9C20.C6.o4.tw	Method	TBLASTX:Wheat
Start	42687	End	42993
GI	none	Score	108
Exons	42687..42815, 42717..42815, 42804..42962, 42804..42986, 42805..42993		

Seq. No.	36591	Seq. ID	OJ990808_47.9C20.C6
Gene No.	75331	Strand	
Start	43201	End	43569
Name	OJ990808_47.9C20.C6.o7.tw	Method	TBLASTX:Wheat
Start	43201	End	43569
GI	none	Score	51
Exons	43201..43254, 43261..43296, 43272..43475, 43282..43428, 43293..43466, 43504..43569		

Seq. No.	36592	Seq. ID	OJ990808_47.9C20.C7
Gene No.	75332	Strand	-
Start	102	End	216
Name	OJ990808_47.9C20.C7.o1.gs	Method	GENSCAN
Start	102	End	216
GI	none	Score	.76
Exons	102..216		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75333	Strand	+
Start	302	End	1069
Name	OJ990808_46.9C20.C1.o1.gs	Method	GENSCAN
Start	302	End	1069
GI	none	Score	.48
Exons	302..1069		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75334	Strand	+
Start	1324	End	5878
Name	OJ990808_46.9C20.C1.o1.np	Method	AAT/NAP
Start	1324	End	5878
GI	4680179	Score	7454
Exons	1324..5878		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75334	Strand	+
Start	1324	End	5878

Name	OJ990808_46.9C20.C1.o2.gs	Method	GENSCAN
Start	1324	End	5524
GI	none	Score	.7
Exons	1324..2512, 2823..5524		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75335	Strand	+
Start	8141	End	8227
Name	OJ990808_46.9C20.C1.o3.np	Method	AAT/NAP
Start	8141	End	8227
GI	6721561	Score	70
Exons	8141..8227		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o7.tw	Method	TBLASTX:Wheat
Start	1582	End	1941
GI	none	Score	309
Exons	1582..1941, 1707..1940		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o6.tm	Method	TBLASTX:Maize
Start	1822	End	2118
GI	none	Score	207
Exons	1822..2118, 1831..2010, 1839..2009, 2050..2106		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o9.tw	Method	TBLASTX:Wheat
Start	1941	End	2184
GI	none	Score	140
Exons	1941..2030, 1942..2118, 2104..2184, 2112..2183		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o8.tw	Method	TBLASTX:Wheat
Start	2461	End	2856
GI	none	Score	129
Exons	2461..2595, 2511..2594, 2513..2599, 2517..2597, 2546..2599, 2697..2807, 2719..2856, 2723..2809		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o4.tw	Method	TBLASTX:Wheat
Start	3041	End	3523
GI	none	Score	540

Exons	3041..3523, 3145..3480, 3152..3514		
Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o4.ts	Method	TBLASTX:Soybean
Start	3083	End	3391
GI	none	Score	182
Exons	3083..3391		
Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o3.tm	Method	TBLASTX:Maize
Start	3110	End	3577
GI	none	Score	380
Exons	3110..3577, 3181..3354		
Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o1.ts	Method	TBLASTX:Soybean
Start	3464	End	3859
GI	none	Score	57
Exons	3464..3496, 3464..3508, 3500..3859, 3500..3580, 3583..3858		
Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o5.tw	Method	TBLASTX:Wheat
Start	3572	End	3874
GI	none	Score	393
Exons	3572..3874, 3573..3653, 3583..3873		
Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o5.tm	Method	TBLASTX:Maize
Start	3593	End	3940
GI	none	Score	323
Exons	3593..3940, 3661..3870		
Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o2.tw	Method	TBLASTX:Wheat
Start	3875	End	4384
GI	none	Score	612
Exons	3875..4384, 3907..4218, 3953..4300		
Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o3.ts	Method	TBLASTX:Soybean
Start	3881	End	4126
GI	none	Score	195
Exons	3881..4126		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o2.tm	Method	TBLASTX:Maize
Start	3947	End	4310
GI	none	Score	475
Exons	3947..4300, 3949..4215, 3999..4310, 4001..4285		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o3.tw	Method	TBLASTX:Wheat
Start	4388	End	4867
GI	none	Score	573
Exons	4388..4867, 4421..4753, 4611..4862, 4612..4866		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o2.ts	Method	TBLASTX:Soybean
Start	4655	End	4915
GI	none	Score	280
Exons	4655..4915, 4660..4914		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o4.tm	Method	TBLASTX:Maize
Start	4714	End	5005
GI	none	Score	361
Exons	4714..5001, 4715..5005, 4785..5003		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o1.tw	Method	TBLASTX:Wheat
Start	4874	End	5500
GI	none	Score	707
Exons	4874..5500, 4876..5499		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o1.tm	Method	TBLASTX:Maize
Start	5054	End	5653
GI	none	Score	221
Exons	5054..5215, 5060..5206, 5062..5208, 5213..5653, 5215..5640		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o6.tw	Method	TBLASTX:Wheat
Start	5501	End	5821
GI	none	Score	350
Exons	5501..5821, 5528..5608, 5593..5769		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o7.tm	Method	TBLASTX:Maize
Start	5657	End	5854
GI	none	Score	184
Exons	5657..5854		

Seq. No.	36593	Seq. ID	OJ990808_46.9C20.C1
Gene No.	75336	Strand	-
Start	6149	End	8784
Name	OJ990808_46.9C20.C1.o2.np	Method	AAT/NAP
Start	6149	End	8784
GI	5295955	Score	451
Exons	6149..6821, 6900..7193, 7242..7371, 8066..8158, 8702..8784		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	36594	Seq. ID	OJ990808_46.9C20.C3
Gene No.	75337	Strand	+
Start	51	End	738
Name	OJ990808_46.9C20.C3.o1.np	Method	AAT/NAP
Start	51	End	738
GI	3645899	Score	311
Exons	51..738		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	36594	Seq. ID	OJ990808_46.9C20.C3
Gene No.	75337	Strand	+
Start	51	End	738
Name	OJ990808_46.9C20.C3.o1.gs	Method	GENSCAN
Start	111	End	718
GI	none	Score	.81
Exons	111..718		

Seq. No.	36595	Seq. ID	OJ990808_46.9C20.C4
Gene No.	75338	Strand	+
Start	14	End	676
Name	OJ990808_46.9C20.C4.o1.gs	Method	GENSCAN
Start	14	End	676
GI	none	Score	.92
Exons	14..676		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o1.np	Method	AAT/NAP
Start	1	End	2340
GI	6630685	Score	1863
Exons	1..429, 460..703, 734..2340		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o2.tc	Method	TBLASTX:Cress

Start	1	End	424
GI	none	Score	127
Exons	1..177, 24..68, 61..141, 198..272, 287..424, 288..419		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o3.ts	Method	TBLASTX:Soybean
Start	1	End	425
GI	none	Score	150
Exons	1..174, 39..164, 82..174, 198..275, 297..425		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o3.tm	Method	TBLASTX:Maize
Start	1	End	425
GI	none	Score	252
Exons	1..201, 6..161, 64..162, 177..278, 197..277, 273..425		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o3.tw	Method	TBLASTX:Wheat
Start	24	End	183
GI	none	Score	214
Exons	24..176, 25..183, 79..177		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o1.gs	Method	GENSCAN
Start	176	End	2343
GI	none	Score	.42
Exons	176..1239, 1356..1523, 1673..1853, 2076..2343		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o4.tm	Method	TBLASTX:Maize
Start	735	End	1013
GI	none	Score	48
Exons	735..812, 819..962, 836..958, 954..1013, 954..1013		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o1.ts	Method	TBLASTX:Soybean
Start	741	End	1354
GI	5509260	Score	637
Exons	741..791, 804..1034, 813..1349, 830..1354, 1142..1354		
GI Descrip.	-		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o1.tw	Method	TBLASTX:Wheat

Start	869	End	1337
GI	none	Score	83
Exons	869..958, 870..959, 939..1337, 1001..1138, 1160..1333		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o1.tc	Method	TBLASTX:Cress
Start	974	End	1235
GI	none	Score	238
Exons	974..1234, 975..1235		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o2.tm	Method	TBLASTX:Maize
Start	1016	End	1453
GI	none	Score	408
Exons	1016..1360, 1017..1349, 1331..1453		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o2.tw	Method	TBLASTX:Wheat
Start	1529	End	1965
GI	none	Score	56
Exons	1529..1609, 1612..1683, 1708..1965		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o1.tm	Method	TBLASTX:Maize
Start	1711	End	2322
GI	none	Score	595
Exons	1711..2232, 1719..2225, 1999..2232, 2143..2322, 2253..2312		

Seq. No.	36596	Seq. ID	OJ990808_46.9C20.C5
Gene No.	75339	Strand	+
Start	1	End	2352
Name	OJ990808_46.9C20.C5.o2.ts	Method	TBLASTX:Soybean
Start	1729	End	2352
GI	none	Score	285
Exons	1729..2118, 2137..2232, 2248..2352		

Seq. No.	36597	Seq. ID	OJ990808_46.9C20.C7
Gene No.	75340	Strand	+
Start	1	End	2845
Name	OJ990808_46.9C20.C7.o1.np	Method	AAT/NAP
Start	1	End	2845
GI	6063554	Score	472
Exons	1..82, 1072..1300, 1429..1723, 2671..2845		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36597	Seq. ID	OJ990808_46.9C20.C7
Gene No.	75340	Strand	+

Start	1	End	2845
Name	OJ990808_46.9C20.C7.o1.gs	Method	GENSCAN
Start	237	End	1191
GI	none	Score	.54
Exons	237..392, 1114..1191		

Seq. No.	36597	Seq. ID	OJ990808_46.9C20.C7
Gene No.	75341	Strand	-
Start	1431	End	1789
Name	OJ990808_46.9C20.C7.o2.gs	Method	GENSCAN
Start	1431	End	1789
GI	none	Score	.7
Exons	1431..1589, 1697..1789		

Seq. No.	36597	Seq. ID	OJ990808_46.9C20.C7
Gene No.	75342	Strand	-
Start	3210	End	3460
Name	OJ990808_46.9C20.C7.o2.gp	Method	AAT/GAP
Start	3210	End	3460
GI	61605_3.R1084	Score	440
Exons	3210..3460		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	36598	Seq. ID	OJ990808_46.9C20.C8
Gene No.	75343	Strand	+
Start	205	End	3208
Name	OJ990808_46.9C20.C8.o1.gs	Method	GENSCAN
Start	205	End	3146
GI	none	Score	.62
Exons	205..298, 650..765, 1628..1813, 1983..2106, 2419..2571, 2985..3146		

Seq. No.	36598	Seq. ID	OJ990808_46.9C20.C8
Gene No.	75343	Strand	+
Start	205	End	3208
Name	OJ990808_46.9C20.C8.o1.np	Method	AAT/NAP
Start	2317	End	3208
GI	6539588	Score	126
Exons	2317..2558, 3152..3208		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36599	Seq. ID	OJ990808_46.9C20.C9
Gene No.	75344	Strand	-
Start	92	End	2985
Name	OJ990808_46.9C20.C9.o1.gs	Method	GENSCAN
Start	92	End	1966
GI	none	Score	.5
Exons	92..301, 885..1041, 1886..1966		

Seq. No.	36599	Seq. ID	OJ990808_46.9C20.C9
Gene No.	75344	Strand	-
Start	92	End	2985
Name	OJ990808_46.9C20.C9.o1.np	Method	AAT/NAP
Start	1471	End	2985
GI	1351303	Score	170
Exons	1471..1554, 1886..1954, 2871..2985		

GI Descrip.	INDOLE-3-GLYCEROL PHOSPHATE SYNTHASE PRECURSOR (IGPS) gi|619732 (U18770) indole-3-glycerol phosphate synthase [Arabidopsis thaliana]		
Seq. No.	36600	Seq. ID	OJ990808_46.9C20.C10
Gene No.	75345	Strand	-
Start	1	End	1872
Name	OJ990808_46.9C20.C10.o1.np	Method	AAT/NAP
Start	1	End	1872
GI	4587610	Score	564
Exons	1..121, 433..597, 692..736, 825..899, 980..1156, 1515..1712, 1840..1872		
GI Descrip.	(AC006951) putative indole-3-glycerol phosphate synthase [Arabidopsis thaliana]		
Seq. No.	36600	Seq. ID	OJ990808_46.9C20.C10
Gene No.	75345	Strand	-
Start	1	End	1872
Name	OJ990808_46.9C20.C10.o1.gs	Method	GENSCAN
Start	43	End	1739
GI	none	Score	.74
Exons	43..121, 433..597, 713..736, 768..899, 980..1156, 1515..1739		
Seq. No.	36600	Seq. ID	OJ990808_46.9C20.C10
Gene No.	75345	Strand	-
Start	1	End	1872
Name	OJ990808_46.9C20.C10.o1.tc	Method	TBLASTX:Cress
Start	44	End	1712
GI	none	Score	76
Exons	44..124, 44..121, 48..122, 430..603, 431..598, 495..623, 692..739, 692..736, 825..911, 825..899, 977..1141, 978..1145, 1512..1571, 1596..1712		
Seq. No.	36600	Seq. ID	OJ990808_46.9C20.C10
Gene No.	75345	Strand	-
Start	1	End	1872
Name	OJ990808_46.9C20.C10.o1.tm	Method	TBLASTX:Maize
Start	44	End	1739
GI	none	Score	111
Exons	44..124, 44..121, 426..599, 430..603, 431..598, 432..602, 692..736, 693..737, 694..738, 824..898, 825..899, 826..921, 970..1158, 977..1165, 978..1175, 1515..1646, 1515..1712, 1516..1647, 1516..1680, 1519..1650, 1574..1714, 1635..1739, 1648..1680		
Seq. No.	36600	Seq. ID	OJ990808_46.9C20.C10
Gene No.	75345	Strand	-
Start	1	End	1872
Name	OJ990808_46.9C20.C10.o1.ts	Method	TBLASTX:Soybean
Start	44	End	603
GI	none	Score	58
Exons	44..121, 53..124, 426..599, 430..603, 431..598, 432..599		
Seq. No.	36600	Seq. ID	OJ990808_46.9C20.C10
Gene No.	75345	Strand	-
Start	1	End	1872
Name	OJ990808_46.9C20.C10.o2.ts	Method	TBLASTX:Soybean

Start	980	End	1589
GI	none	Score	156
Exons	980..1171, 981..1175, 1512..1589		

Seq. No.	36601	Seq. ID	OJ990808_46.9C20.C11
Gene No.	75346	Strand	-
Start	1853	End	2881
Name	OJ990808_46.9C20.C11.o1.gs	Method	GENSCAN
Start	1853	End	2881
GI	none	Score	.69
Exons	1853..2302, 2632..2881		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75347	Strand	+
Start	6976	End	8275
Name	OJ990808_46.9C20.C12.o1.np	Method	AAT/NAP
Start	6976	End	8275
GI	6815099	Score	85
Exons	6976..7142, 8140..8275		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75348	Strand	+
Start	8753	End	10573
Name	OJ990808_46.9C20.C12.o1.gp	Method	AAT/GAP
Start	8753	End	10573
GI	none	Score	687
Exons	8753..8869, 9163..9339, 10485..10573		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75349	Strand	+
Start	10493	End	14653
Name	OJ990808_46.9C20.C12.o2.np	Method	AAT/NAP
Start	10412	End	13166
GI	4938497	Score	2314
Exons	10412..10933, 11032..11129, 11287..11863, 11988..12263, 12366..13166		
GI Descrip.	(AL078465) isp4 like protein [Arabidopsis thaliana]		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75349	Strand	+
Start	10493	End	14653
Name	OJ990808_46.9C20.C12.o2.gs	Method	GENSCAN
Start	10493	End	14653
GI	none	Score	.64
Exons	10493..10933, 11032..11129, 11287..11892, 11981..12273, 12366..12970, 13293..13382, 13894..13986, 14107..14187, 14447..14653		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75350	Strand	+
Start	16160	End	16697
Name	OJ990808_46.9C20.C12.o2.gp	Method	AAT/GAP
Start	16160	End	16697
GI	none	Score	1024
Exons	16160..16697		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75351	Strand	-
Start	399	End	9542
Name	OJ990808_46.9C20.C12.o1.gs	Method	GENSCAN
Start	399	End	9542
GI	none	Score	.66
Exons	399..479, 591..710, 942..1055, 1342..1392, 2761..2854, 2872..2906, 3987..4034, 4148..4202, 4270..4328, 6409..6623, 6640..6726, 6804..6993, 8440..8595, 8729..8763, 8969..9167, 9218..9360, 9506..9542		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o5.tm	Method	TBLASTX:Maize
Start	390	End	691
GI	none	Score	65
Exons	390..482, 399..479, 400..483, 401..484, 590..691, 590..676, 591..689		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o3.tm	Method	TBLASTX:Maize
Start	4169	End	6856
GI	none	Score	45
Exons	4169..4210, 4169..4204, 4267..4332, 4267..4332, 4271..4336, 6403..6531, 6409..6477, 6410..6532, 6644..6727, 6645..6728, 6788..6856, 6803..6853		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o4.tm	Method	TBLASTX:Maize
Start	10483	End	10807
GI	none	Score	182
Exons	10483..10746, 10484..10747, 10747..10800, 10748..10807		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o2.ts	Method	TBLASTX:Soybean
Start	10517	End	11130
GI	none	Score	103
Exons	10517..10636, 10601..10729, 10604..10759, 10762..10800, 10763..10837, 10829..10936, 11006..11119, 11011..11130, 11025..11126		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o4.tc	Method	TBLASTX:Cress
Start	10517	End	10837
GI	none	Score	335
Exons	10517..10837, 10528..10800		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12

Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o2.tm	Method	TBLASTX:Maize
Start	11266	End	11719
GI	none	Score	363
Exons	11266..11613, 11273..11626, 11621..11719		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o1.ts	Method	TBLASTX:Soybean
Start	11444	End	13219
GI	none	Score	171
Exons	11444..11626, 11449..11634, 11630..11722, 11729..11869, 12069..12260, 12080..12259, 12363..13052, 12365..12742, 13082..13219, 13083..13160		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o2.tc	Method	TBLASTX:Cress
Start	11663	End	12283
GI	none	Score	168
Exons	11663..11869, 11988..12011, 12050..12283, 12051..12260		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o6.tm	Method	TBLASTX:Maize
Start	12069	End	12311
GI	none	Score	194
Exons	12069..12311, 12070..12189, 12083..12259, 12168..12260		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o1.tm	Method	TBLASTX:Maize
Start	12360	End	13160
GI	none	Score	574
Exons	12360..12887, 12363..12548, 12368..12862, 12621..12887, 12888..13013, 13083..13160		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o1.tc	Method	TBLASTX:Cress
Start	12363	End	12715
GI	none	Score	482
Exons	12363..12713, 12363..12551, 12365..12715		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o3.tc	Method	TBLASTX:Cress
Start	12741	End	13160
GI	none	Score	391
Exons	12741..13160, 12957..13085		

Seq. No.	36602	Seq. ID	OJ990808_46.9C20.C12
Gene No.	75352	Strand	-
Start	15218	End	15856
Name	OJ990808_46.9C20.C12.o3.gs	Method	GENSCAN
Start	15218	End	15856
GI	none	Score	.59
Exons	15218..15289, 15854..15856		

Seq. No.	36603	Seq. ID	OJ990808_46.9C20.C13
Gene No.	75353	Strand	+
Start	113	End	436
Name	OJ990808_46.9C20.C13.o1.gs	Method	GENSCAN
Start	113	End	436
GI	none	Score	.51
Exons	113..436		

Seq. No.	36604	Seq. ID	OJ990808_46.9C20.C15
Gene No.	75354	Strand	-
Start	142	End	1109
Name	OJ990808_46.9C20.C15.o1.gs	Method	GENSCAN
Start	142	End	280
GI	none	Score	.97
Exons	142..280		

Seq. No.	36604	Seq. ID	OJ990808_46.9C20.C15
Gene No.	75354	Strand	-
Start	142	End	1109
Name	OJ990808_46.9C20.C15.o1.gp	Method	AAT/GAP
Start	145	End	1109
GI	30101_1.R1084	Score	299
Exons	145..280, 1078..1109		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	36604	Seq. ID	OJ990808_46.9C20.C15
Gene No.	75354	Strand	-
Start	142	End	1109
Name	OJ990808_46.9C20.C15.o1.ts	Method	TBLASTX:Soybean
Start	149	End	317
GI	none	Score	112
Exons	149..247, 150..317, 150..248, 241..288, 248..289		

Seq. No.	36605	Seq. ID	OJ990808_46.9C20.C16
Gene No.	75355	Strand	+
Start	1	End	482
Name	OJ990808_46.9C20.C16.o1.np	Method	AAT/NAP
Start	1	End	482
GI	5922631	Score	421
Exons	1..482		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	36605	Seq. ID	OJ990808_46.9C20.C16
Gene No.	75355	Strand	+
Start	1	End	482
Name	OJ990808_46.9C20.C16.o1.tw	Method	TBLASTX:Wheat
Start	3	End	481
GI	none	Score	62
Exons	3..44, 43..429, 458..481		

Seq. No.	36605	Seq. ID	OJ990808_46.9C20.C16
Gene No.	75355	Strand	+
Start	1	End	482
Name	OJ990808_46.9C20.C16.o1.gs	Method	GENSCAN
Start	103	End	435
GI	none	Score	.46
Exons	103..435		

Seq. No.	36605	Seq. ID	OJ990808_46.9C20.C16
Gene No.	75355	Strand	+
Start	1	End	482
Name	OJ990808_46.9C20.C16.o1.tm	Method	TBLASTX:Maize
Start	199	End	462
GI	none	Score	176
Exons	199..462		

Seq. No.	36606	Seq. ID	OJ990808_46.9C20.C19
Gene No.	75356	Strand	-
Start	96	End	277
Name	OJ990808_46.9C20.C19.o1.gs	Method	GENSCAN
Start	96	End	277
GI	none	Score	.51
Exons	96..277		

Seq. No.	36606	Seq. ID	OJ990808_46.9C20.C19
Gene No.	75357	Strand	-
Start	336	End	558
Name	OJ990808_46.9C20.C19.o1.gp	Method	AAT/GAP
Start	336	End	558
GI	19698_1.R1084	Score	398
Exons	336..558		
GI Descrip.	'2493046/sp|Q40089|ATP4_IPOBA 6.0e-54 ATP SYNTHASE DELTA'' CHAIN, MITOCHONDRIAL PRECURSOR >gi_82297_pir__A41740 H+-transporting ATP synthase (EC 3.6.1.34) delta'' chain precursor - sweet potato >gi_217938_dbj_BAA01511_ (D10660) mitochondrial F1-ATPase delta subunit [Ipomoea batatas]'		

Seq. No.	36607	Seq. ID	OJ990808_46.9C20.C20
Gene No.	75358	Strand	+
Start	1	End	230
Name	OJ990808_46.9C20.C20.o1.np	Method	AAT/NAP
Start	1	End	230
GI	1944407	Score	152
Exons	1..111, 178..230		
GI Descrip.	(D86988) KIAA0221 [Homo sapiens]		

Seq. No.	36607	Seq. ID	OJ990808_46.9C20.C20
Gene No.	75358	Strand	+

Start	1	End	230
Name	OJ990808_46.9C20.C20.o1.ts	Method	TBLASTX:Soybean
Start	35	End	230
GI	none	Score	52
Exons	35..112, 35..112, 36..113, 36..113, 37..114, 175..225, 177..230, 178..228		

Seq. No.	36608	Seq. ID	OJ990808_46.9C20.C23
Gene No.	75359	Strand	-
Start	1	End	1299
Name	OJ990808_46.9C20.C23.o1.np	Method	AAT/NAP
Start	1	End	1299
GI	4938503	Score	236
Exons	1..190, 465..680, 774..859, 950..1021, 1071..1299		
GI Descrip.	(AL078465) hnRNP-like protein [Arabidopsis thaliana]		

Seq. No.	36608	Seq. ID	OJ990808_46.9C20.C23
Gene No.	75359	Strand	-
Start	1	End	1299
Name	OJ990808_46.9C20.C23.o1.gs	Method	GENSCAN
Start	35	End	1233
GI	none	Score	56
Exons	35..266, 508..680, 774..859, 1071..1233		

Seq. No.	36608	Seq. ID	OJ990808_46.9C20.C23
Gene No.	75359	Strand	-
Start	1	End	1299
Name	OJ990808_46.9C20.C23.o1.tm	Method	TBLASTX:Maize
Start	77	End	1234
GI	none	Score	237
Exons	77..268, 93..272, 105..266, 110..268, 499..681, 506..682, 506..682, 547..693, 775..873, 776..874, 1079..1234, 1079..1231, 1083..1232, 1100..1228, 1150..1233		

Seq. No.	36608	Seq. ID	OJ990808_46.9C20.C23
Gene No.	75359	Strand	-
Start	1	End	1299
Name	OJ990808_46.9C20.C23.o1.ts	Method	TBLASTX:Soybean
Start	544	End	1228
GI	none	Score	115
Exons	544..681, 547..678, 554..682, 775..876, 788..880, 1070..1228, 1079..1228, 1122..1217		

Seq. No.	36608	Seq. ID	OJ990808_46.9C20.C23
Gene No.	75359	Strand	-
Start	1	End	1299
Name	OJ990808_46.9C20.C23.o1.tc	Method	TBLASTX:Cress
Start	547	End	1228
GI	none	Score	58
Exons	547..678, 557..694, 775..876, 788..880, 797..829, 1082..1228, 1125..1217		

Seq. No.	36608	Seq. ID	OJ990808_46.9C20.C23
Gene No.	75359	Strand	-
Start	1	End	1299
Name	OJ990808_46.9C20.C23.o1.gp	Method	AAT/GAP
Start	550	End	1233

GI	24660_1.R1084	Score	726
Exons	550..680, 774..873, 1071..1233		
GI Descrip.	'4938503/emb|CAB43861.1| 2.0e-32 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	36609	Seq. ID	OJ990808_46.9C20.C24
Gene No.	75360	Strand	-
Start	1	End	728
Name	OJ990808_46.9C20.C24.o1.gp	Method	AAT/GAP
Start	1	End	728
GI	24660_1.R1084	Score	279
Exons	1..22, 383..432, 570..728		
GI Descrip.	'4938503/emb|CAB43861.1| 2.0e-32 (AL078465) hnRNP-like protein [Arabidopsis thaliana]'		

Seq. No.	36609	Seq. ID	OJ990808_46.9C20.C24
Gene No.	75360	Strand	-
Start	1	End	728
Name	OJ990808_46.9C20.C24.o1.gs	Method	GENSCAN
Start	392	End	612
GI	none	Score	.96
Exons	392..537, 570..612		

Seq. No.	36609	Seq. ID	OJ990808_46.9C20.C24
Gene No.	75361	Strand	
Start	1112	End	1448
Name	OJ990808_46.9C20.C24.o1.tw	Method	TBLASTX:Wheat
Start	1112	End	1448
GI	none	Score	61
Exons	1112..1231, 1279..1377, 1285..1368, 1389..1448		

Seq. No.	36610	Seq. ID	OJ990808_46.9C20.C25
Gene No.	75362	Strand	+
Start	501	End	956
Name	OJ990808_46.9C20.C25.o1.gs	Method	GENSCAN
Start	501	End	956
GI	none	Score	.79
Exons	501..511, 710..956		

Seq. No.	36610	Seq. ID	OJ990808_46.9C20.C25
Gene No.	75363	Strand	+
Start	1172	End	1888
Name	OJ990808_46.9C20.C25.o1.np	Method	AAT/NAP
Start	1172	End	1888
GI	6815097	Score	590
Exons	1172..1888		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	36610	Seq. ID	OJ990808_46.9C20.C25
Gene No.	75364	Strand	-
Start	1593	End	6763
Name	OJ990808_46.9C20.C25.o2.tm	Method	TBLASTX:Maize
Start	1411	End	1720
GI	none	Score	40
Exons	1411..1443, 1447..1683, 1530..1670, 1676..1720		

Seq. No.	36610	Seq. ID	OJ990808_46.9C20.C25
Gene No.	75364	Strand	-
Start	1593	End	6763
Name	OJ990808_46.9C20.C25.o2.gs	Method	GENSCAN
Start	1593	End	6760
GI	none	Score	.6
Exons	1593..1775, 1920..2009, 4461..4520, 4771..4876, 5068..5213, 6664..6760		

Seq. No.	36610	Seq. ID	OJ990808_46.9C20.C25
Gene No.	75364	Strand	-
Start	1593	End	6763
Name	OJ990808_46.9C20.C25.o1.gp	Method	AAT/GAP
Start	3676	End	5226
GI	49935_1.R1084	Score	1142
Exons	3676..4022, 4461..4520, 4771..4876, 5069..5226		
GI Descrip.	'1841468/emb|CAA71881| 4.0e-17 (Y10990) Tyrosyl-tRNA synthetase [Nicotiana tabacum]'		

Seq. No.	36610	Seq. ID	OJ990808_46.9C20.C25
Gene No.	75364	Strand	-
Start	1593	End	6763
Name	OJ990808_46.9C20.C25.o2.np	Method	AAT/NAP
Start	4443	End	6760
GI	1841468	Score	671
Exons	4443..4520, 4771..4876, 5068..5213, 6165..6247, 6415..6520, 6664..6760		
GI Descrip.	(Y10990) Tyrosyl-tRNA synthetase [Nicotiana tabacum]		

Seq. No.	36610	Seq. ID	OJ990808_46.9C20.C25
Gene No.	75364	Strand	-
Start	1593	End	6763
Name	OJ990808_46.9C20.C25.o1.tm	Method	TBLASTX:Maize
Start	4455	End	6763
GI	none	Score	71
Exons	4455..4526, 4455..4523, 4771..4881, 4771..4881, 5035..5208, 5049..5216, 5067..5210, 6165..6245, 6166..6282, 6166..6246, 6283..6330, 6407..6532, 6412..6528, 6417..6530, 6653..6763, 6664..6762		

Seq. No.	36610	Seq. ID	OJ990808_46.9C20.C25
Gene No.	75364	Strand	-
Start	1593	End	6763
Name	OJ990808_46.9C20.C25.o1.ts	Method	TBLASTX:Soybean
Start	5095	End	6763
GI	none	Score	142
Exons	5095..5208, 5097..5216, 5097..5216, 6162..6248, 6165..6245, 6166..6282, 6407..6532, 6417..6530, 6662..6745, 6663..6746, 6664..6759, 6664..6762, 6668..6763		

Seq. No.	36611	Seq. ID	OJ990808_46.9C20.C26
Gene No.	75365	Strand	+
Start	1666	End	1966
Name	OJ990808_46.9C20.C26.o1.gp	Method	AAT/GAP
Start	1666	End	1966
GI	30403_1.R1084	Score	579
Exons	1666..1966		

GI Descrip. '1841468/emb|CAA71881| 5.0e-37 (Y10990) Tyrosyl-tRNA synthetase [Nicotiana tabacum]'

Seq. No.	36611	Seq. ID	OJ990808_46.9C20.C26
Gene No.	75366	Strand	-
Start	1	End	1986
Name	OJ990808_46.9C20.C26.o1.np	Method	AAT/NAP
Start	1	End	1986
GI	1841468	Score	179
Exons	1..25, 1666..1986		
GI Descrip.	(Y10990) Tyrosyl-tRNA synthetase [Nicotiana tabacum]		

Seq. No.	36611	Seq. ID	OJ990808_46.9C20.C26
Gene No.	75366	Strand	-
Start	1	End	1986
Name	OJ990808_46.9C20.C26.o1.gs	Method	GENSCAN
Start	1658	End	1906
GI	none	Score	.89
Exons	1658..1906		

Seq. No.	36611	Seq. ID	OJ990808_46.9C20.C26
Gene No.	75366	Strand	-
Start	1	End	1986
Name	OJ990808_46.9C20.C26.o1.tc	Method	TBLASTX:Cress
Start	1662	End	1807
GI	none	Score	69
Exons	1662..1778, 1664..1804, 1667..1807		

Seq. No.	36611	Seq. ID	OJ990808_46.9C20.C26
Gene No.	75366	Strand	-
Start	1	End	1986
Name	OJ990808_46.9C20.C26.o1.tm	Method	TBLASTX:Maize
Start	1665	End	1840
GI	none	Score	160
Exons	1665..1787, 1666..1812, 1667..1825, 1667..1840		

Seq. No.	36611	Seq. ID	OJ990808_46.9C20.C26
Gene No.	75366	Strand	-
Start	1	End	1986
Name	OJ990808_46.9C20.C26.o1.ts	Method	TBLASTX:Soybean
Start	1667	End	1801
GI	none	Score	112
Exons	1667..1795, 1667..1801		

Seq. No.	36612	Seq. ID	OJ990808_46.9C20.C27
Gene No.	75367	Strand	+
Start	184	End	3386
Name	OJ990808_46.9C20.C27.o1.gs	Method	GENSCAN
Start	184	End	2690
GI	none	Score	.77
Exons	184..232, 800..844, 969..1041, 1634..1731, 2626..2690		

Seq. No.	36612	Seq. ID	OJ990808_46.9C20.C27
Gene No.	75367	Strand	+
Start	184	End	3386
Name	OJ990808_46.9C20.C27.o1.np	Method	AAT/NAP
Start	800	End	3213

GI	2911044	Score	58
Exons	800..844, 969..1059, 3173..3213		
GI Descrip.	(AL021961) putative protein [Arabidopsis thaliana]		

Seq. No.	36612	Seq. ID	OJ990808_46.9C20.C27
Gene No.	75367	Strand	+
Start	184	End	3386
Name	OJ990808_46.9C20.C27.o2.np	Method	AAT/NAP
Start	1992	End	2203
GI	6006381	Score	59
Exons	1992..2203		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	36612	Seq. ID	OJ990808_46.9C20.C27
Gene No.	75367	Strand	+
Start	184	End	3386
Name	OJ990808_46.9C20.C27.o1.gp	Method	AAT/GAP
Start	2813	End	3386
GI	none	Score	1080
Exons	2813..3386		

Seq. No.	36613	Seq. ID	OJ990808_46.9C20.C28
Gene No.	75368	Strand	+
Start	198	End	1199
Name	OJ990808_46.9C20.C28.o1.gs	Method	GENSCAN
Start	198	End	1199
GI	none	Score	.86
Exons	198..268, 1074..1199		

Seq. No.	36613	Seq. ID	OJ990808_46.9C20.C28
Gene No.	75369	Strand	+
Start	5277	End	11656
Name	OJ990808_46.9C20.C28.o3.gs	Method	GENSCAN
Start	5277	End	6538
GI	none	Score	.95
Exons	5277..5378, 5843..6538		

Seq. No.	36613	Seq. ID	OJ990808_46.9C20.C28
Gene No.	75369	Strand	+
Start	5277	End	11656
Name	OJ990808_46.9C20.C28.o2.np	Method	AAT/NAP
Start	5541	End	11656
GI	6815097	Score	1281
Exons	5541..6407, 6921..7531, 7646..7994, 11616..11656		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	36613	Seq. ID	OJ990808_46.9C20.C28
Gene No.	75369	Strand	+
Start	5277	End	11656
Name	OJ990808_46.9C20.C28.o1.gp	Method	AAT/GAP
Start	10230	End	10611
GI	uC-osflcyp033a04b1	Score	687
Exons	10230..10611		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36613	Seq. ID	OJ990808_46.9C20.C28
Gene No.	75370	Strand	-
Start	2635	End	11656
Name	OJ990808_46.9C20.C28.o2.gs	Method	GENSCAN
Start	2635	End	5064
GI	none	Score	.57
Exons	2635..2885, 2890..3066, 3071..3170, 3846..3970, 4741..4947, 4962..5064		

Seq. No.	36613	Seq. ID	OJ990808_46.9C20.C28
Gene No.	75370	Strand	-
Start	2635	End	11656
Name	OJ990808_46.9C20.C28.o3.np	Method	AAT/NAP
Start	3809	End	11656
GI	5852180	Score	553
Exons	3809..3833, 7152..7225, 8898..9309, 9361..9478, 10460..10513, 11633..11656		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	36613	Seq. ID	OJ990808_46.9C20.C28
Gene No.	75370	Strand	-
Start	2635	End	11656
Name	OJ990808_46.9C20.C28.o4.gs	Method	GENSCAN
Start	7480	End	9316
GI	none	Score	.89
Exons	7480..7553, 7886..8014, 8764..9316		

Seq. No.	36613	Seq. ID	OJ990808_46.9C20.C28
Gene No.	75370	Strand	-
Start	2635	End	11656
Name	OJ990808_46.9C20.C28.o5.gs	Method	GENSCAN
Start	10172	End	11466
GI	none	Score	.46
Exons	10172..10388, 10460..10513, 11322..11466		

Seq. No.	36614	Seq. ID	OJ990808_46.9C20.C29
Gene No.	75371	Strand	+
Start	513	End	1322
Name	OJ990808_46.9C20.C29.o1.gs	Method	GENSCAN
Start	513	End	1322
GI	none	Score	.94
Exons	513..1322		

Seq. No.	36614	Seq. ID	OJ990808_46.9C20.C29
Gene No.	75372	Strand	+
Start	1572	End	3286
Name	OJ990808_46.9C20.C29.o1.tw	Method	TBLASTX:Wheat
Start	556	End	2396
GI	none	Score	52
Exons	556..600, 2045..2239, 2046..2396		

Seq. No.	36614	Seq. ID	OJ990808_46.9C20.C29
Gene No.	75372	Strand	+
Start	1572	End	3286
Name	OJ990808_46.9C20.C29.o1.np	Method	AAT/NAP
Start	1569	End	3286
GI	4680179	Score	1220

Exons	1569..2651, 2685..3286		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	36614	Seq. ID	OJ990808_46.9C20.C29
Gene No.	75372	Strand	+
Start	1572	End	3286
Name	OJ990808_46.9C20.C29.o2.gs	Method	GENSCAN
Start	1572	End	3216
GI	none	Score	.82
Exons	1572..2763, 2950..3216		
Seq. No.	36614	Seq. ID	OJ990808_46.9C20.C29
Gene No.	75372	Strand	+
Start	1572	End	3286
Name	OJ990808_46.9C20.C29.o3.tw	Method	TBLASTX:Wheat
Start	1812	End	2011
GI	none	Score	211
Exons	1812..2009, 1835..2011		
Seq. No.	36614	Seq. ID	OJ990808_46.9C20.C29
Gene No.	75372	Strand	+
Start	1572	End	3286
Name	OJ990808_46.9C20.C29.o1.tm	Method	TBLASTX:Maize
Start	2046	End	2351
GI	none	Score	224
Exons	2046..2351, 2060..2176		
Seq. No.	36614	Seq. ID	OJ990808_46.9C20.C29
Gene No.	75372	Strand	+
Start	1572	End	3286
Name	OJ990808_46.9C20.C29.o2.tw	Method	TBLASTX:Wheat
Start	2712	End	3149
GI	none	Score	154
Exons	2712..2921, 2768..2920, 2966..3079, 2967..3080, 3108..3149		
Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75373	Strand	-
Start	1	End	1716
Name	OJ990808_46.9C20.C30.o1.np	Method	AAT/NAP
Start	1	End	1716
GI	4680179	Score	1273
Exons	1..606, 640..1716		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75374	Strand	-
Start	2042	End	2496
Name	OJ990808_46.9C20.C30.o1.gp	Method	AAT/GAP
Start	2042	End	2496
GI	95437_1.R1084	Score	778
Exons	2042..2496		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		
Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75375	Strand	-

Start	3645	End	4029
Name	OJ990808_46.9C20.C30.o2.gp	Method	AAT/GAP
Start	3645	End	4029
GI	uC-osflcyp033a04b1	Score	608
Exons	3645..4029		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o6.tw	Method	TBLASTX:Wheat
Start	142	End	579
GI	none	Score	54
Exons	142..183, 211..324, 212..325, 370..579, 371..523		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o5.tw	Method	TBLASTX:Wheat
Start	895	End	1246
GI	none	Score	106
Exons	895..1230, 1052..1246, 1077..1235		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o4.tm	Method	TBLASTX:Maize
Start	940	End	1231
GI	none	Score	89
Exons	940..1230, 1115..1231		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o7.tw	Method	TBLASTX:Wheat
Start	1279	End	1479
GI	none	Score	68
Exons	1279..1371, 1280..1477, 1282..1479		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o2.np	Method	AAT/NAP
Start	6113	End	7894
GI	4680179	Score	2581
Exons	6113..7894		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o3.tw	Method	TBLASTX:Wheat
Start	6158	End	6491
GI	none	Score	99
Exons	6158..6490, 6179..6487, 6222..6491		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o1.tm	Method	TBLASTX:Maize
Start	6338	End	6937
GI	none	Score	237
Exons	6338..6778, 6354..6776, 6776..6937, 6795..6929		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o1.tw	Method	TBLASTX:Wheat
Start	6491	End	7117
GI	none	Score	255
Exons	6491..7117, 6492..7061		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o2.tm	Method	TBLASTX:Maize
Start	6986	End	7278
GI	none	Score	212
Exons	6986..7276, 6990..7277, 7126..7278		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o1.ts	Method	TBLASTX:Soybean
Start	7076	End	7336
GI	none	Score	157
Exons	7076..7336, 7077..7331		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o1.tc	Method	TBLASTX:Cress
Start	7100	End	7417
GI	none	Score	78
Exons	7100..7243, 7101..7241, 7244..7417		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o2.tw	Method	TBLASTX:Wheat
Start	7124	End	7691
GI	none	Score	336
Exons	7124..7660, 7128..7691		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30
Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o3.tm	Method	TBLASTX:Maize
Start	7691	End	7892
GI	none	Score	104
Exons	7691..7891, 7695..7892		

Seq. No.	36615	Seq. ID	OJ990808_46.9C20.C30

Gene No.	75376	Strand	-
Start	6113	End	7894
Name	OJ990808_46.9C20.C30.o4.tw	Method	TBLASTX:Wheat
Start	7694	End	7894
GI	none	Score	185
Exons	7694..7894, 7695..7892		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o1.np	Method	AAT/NAP
Start	242	End	3097
GI	4680179	Score	4114
Exons	242..3097		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o4.tw	Method	TBLASTX:Wheat
Start	274	End	742
GI	none	Score	466
Exons	274..699, 365..742		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o5.tm	Method	TBLASTX:Maize
Start	277	End	561
GI	none	Score	264
Exons	277..561, 278..559		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o1.gs	Method	GENSCAN
Start	308	End	3100
GI	none	Score	.95
Exons	308..3100		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o2.tc	Method	TBLASTX:Cress
Start	389	End	778
GI	none	Score	187
Exons	389..778		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o3.tm	Method	TBLASTX:Maize
Start	629	End	1129
GI	none	Score	171
Exons	629..820, 637..756, 815..1129, 955..1008, 1036..1086		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31

Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o1.ts	Method	TBLASTX:Soybean
Start	683	End	1078
GI	none	Score	57
Exons	683..715, 685..714, 719..1078, 721..756, 787..1077		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o5.tw	Method	TBLASTX:Wheat
Start	791	End	1093
GI	none	Score	382
Exons	791..1093, 793..1077		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o3.tw	Method	TBLASTX:Wheat
Start	1094	End	1516
GI	none	Score	594
Exons	1094..1516, 1126..1515		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o3.ts	Method	TBLASTX:Soybean
Start	1100	End	1345
GI	none	Score	207
Exons	1100..1345, 1117..1344		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o2.tm	Method	TBLASTX:Maize
Start	1165	End	1528
GI	none	Score	478
Exons	1165..1515, 1166..1519, 1166..1528		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o2.tw	Method	TBLASTX:Wheat
Start	1519	End	2086
GI	none	Score	638
Exons	1519..2085, 1550..2086		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o1.tc	Method	TBLASTX:Cress
Start	1793	End	2110
GI	none	Score	92
Exons	1793..1966, 1967..2110, 1969..2109		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+

Start	242	End	3100
Name	OJ990808_46.9C20.C31.o2.ts	Method	TBLASTX:Soybean
Start	1874	End	2134
GI	none	Score	301
Exons	1874..2134, 1879..2133		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o4.tm	Method	TBLASTX:Maize
Start	1932	End	2224
GI	none	Score	82
Exons	1932..2099, 1933..2220, 1937..2224		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o1.tw	Method	TBLASTX:Wheat
Start	2093	End	2719
GI	none	Score	702
Exons	2093..2719, 2149..2607, 2465..2716		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o1.tm	Method	TBLASTX:Maize
Start	2273	End	2872
GI	none	Score	231
Exons	2273..2434, 2276..2362, 2281..2427, 2431..2856, 2432..2872		

Seq. No.	36616	Seq. ID	OJ990808_46.9C20.C31
Gene No.	75377	Strand	+
Start	242	End	3100
Name	OJ990808_46.9C20.C31.o6.tw	Method	TBLASTX:Wheat
Start	2719	End	3052
GI	none	Score	320
Exons	2719..2988, 2720..3052, 2723..3031		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75378	Strand	+
Start	612	End	2376
Name	OJ990808_35.9C09.C1.o1.gs	Method	GENSCAN
Start	612	End	2376
GI	none	Score	.64
Exons	612..618, 2315..2376		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75379	Strand	+
Start	9299	End	17743
Name	OJ990808_35.9C09.C1.o4.gs	Method	GENSCAN
Start	9299	End	16348
GI	none	Score	.66
Exons	9299..9590, 10518..10605, 10884..10944, 12537..12740, 14833..14924, 15216..15313, 15422..15583, 16257..16348		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75379	Strand	+

Start	9299	End	17743
Name	OJ990808_35.9C09.C1.o2.np	Method	AAT/NAP
Start	15190	End	17743
GI	4539429	Score	173
Exons	15190..15313, 15422..15598, 16536..16582, 17691..17743		
GI Descrip.	(AL049171) subtilisin protease-like [Arabidopsis thaliana]		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75380	Strand	-
Start	4048	End	4850
Name	OJ990808_35.9C09.C1.o2.gs	Method	GENSCAN
Start	4048	End	4850
GI	none	Score	.77
Exons	4048..4652, 4667..4850		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75381	Strand	-
Start	6441	End	10019
Name	OJ990808_35.9C09.C1.o3.gs	Method	GENSCAN
Start	6441	End	9078
GI	none	Score	.76
Exons	6441..6790, 7048..7171, 7469..7605, 7985..8120, 8293..8564, 9012..9078		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75381	Strand	-
Start	6441	End	10019
Name	OJ990808_35.9C09.C1.o1.np	Method	AAT/NAP
Start	6464	End	10019
GI	5091529	Score	816
Exons	6464..6790, 7048..7171, 7469..7601, 7984..8120, 8248..8469, 9904..10019		
GI Descrip.	(AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75381	Strand	-
Start	6441	End	10019
Name	OJ990808_35.9C09.C1.o1.gp	Method	AAT/GAP
Start	6678	End	7588
GI	LIB3433-013-Q6-K1-F1	Score	626
Exons	6678..6790, 7048..7171, 7469..7588		
GI Descrip.	'1168471/sp|P46573|APKB_ARATH 9.0e-48 PROTEIN KINASE APK1B'		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75381	Strand	-
Start	6441	End	10019
Name	OJ990808_35.9C09.C1.o2.gp	Method	AAT/GAP
Start	8324	End	9192
GI	none	Score	817
Exons	8324..8564, 9012..9192		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75381	Strand	-
Start	6441	End	10019

Name	OJ990808_35.9C09.C1.o3.gp	Method	AAT/GAP
Start	9539	End	10001
GI	none	Score	892
Exons	9539..10001		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o3.ts	Method	TBLASTX:Soybean
Start	437	End	678
GI	none	Score	126
Exons	437..652, 460..678, 463..663, 464..673		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o1.tm	Method	TBLASTX:Maize
Start	468	End	778
GI	none	Score	332
Exons	468..776, 469..777, 473..778		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o6.tm	Method	TBLASTX:Maize
Start	4522	End	4842
GI	none	Score	149
Exons	4522..4656, 4541..4657, 4724..4771, 4771..4842		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o1.ts	Method	TBLASTX:Soybean
Start	6450	End	7171
GI	none	Score	99
Exons	6450..6794, 6492..6764, 6496..6798, 7046..7171, 7047..7166		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o2.tm	Method	TBLASTX:Maize
Start	6462	End	7603
GI	none	Score	85
Exons	6462..6794, 6486..6788, 6502..6792, 7046..7171, 7047..7166, 7050..7172, 7052..7168, 7468..7587, 7472..7603, 7482..7589		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o1.tw	Method	TBLASTX:Wheat
Start	6477	End	7124
GI	none	Score	116
Exons	6477..6794, 6502..6792, 7046..7120, 7047..7124		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743

Name	OJ990808_35.9C09.C1.o2.tc	Method	TBLASTX:Cress
Start	6480	End	8445
GI	none	Score	89
Exons	6480..6794, 6622..6792, 7046..7168, 7047..7166, 7472..7594, 7482..7595, 7984..8121, 7989..8120, 8248..8271, 8350..8445		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o2.ts	Method	TBLASTX:Soybean
Start	7472	End	8454
GI	none	Score	125
Exons	7472..7597, 7479..7601, 7971..8117, 7972..8118, 8248..8268, 8326..8454		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o3.tm	Method	TBLASTX:Maize
Start	7945	End	8508
GI	none	Score	130
Exons	7945..8118, 7971..8117, 8009..8119, 8248..8268, 8249..8266, 8326..8508		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o5.tm	Method	TBLASTX:Maize
Start	15223	End	15609
GI	none	Score	99
Exons	15223..15318, 15433..15609		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o3.np	Method	AAT/NAP
Start	15494	End	17743
GI	5725434	Score	518
Exons	15494..15537, 16719..17743		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o5.gs	Method	GENSCAN
Start	16738	End	17679
GI	none	Score	.97
Exons	16738..17679		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o4.tm	Method	TBLASTX:Maize
Start	16783	End	17544
GI	none	Score	79
Exons	16783..17001, 17071..17328, 17108..17347, 17326..17544, 17371..17514, 17392..17514, 17429..17542		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o4.ts	Method	TBLASTX:Soybean
Start	16792	End	17328
GI	none	Score	190
Exons	16792..16995, 17062..17328		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o3.tc	Method	TBLASTX:Cress
Start	16798	End	17205
GI	none	Score	104
Exons	16798..16992, 17068..17205		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o2.tw	Method	TBLASTX:Wheat
Start	17113	End	17664
GI	none	Score	62
Exons	17113..17178, 17188..17331, 17214..17240, 17335..17502, 17345..17500, 17527..17664		

Seq. No.	36617	Seq. ID	OJ990808_35.9C09.C1
Gene No.	75382	Strand	-
Start	15494	End	17743
Name	OJ990808_35.9C09.C1.o1.tc	Method	TBLASTX:Cress
Start	17209	End	17742
GI	none	Score	102
Exons	17209..17511, 17273..17512, 17335..17511, 17542..17742		

Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75383	Strand	+
Start	1	End	5247
Name	OJ990808_35.9C09.C2.o1.np	Method	AAT/NAP
Start	1	End	5178
GI	4539429	Score	1571
Exons	1..22, 952..1631, 2454..2541, 3350..3684, 4375..5178		
GI Descrip.	(AL049171) subtilisin protease-like [Arabidopsis thaliana]		

Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75383	Strand	+
Start	1	End	5247
Name	OJ990808_35.9C09.C2.o1.gs	Method	GENSCAN
Start	190	End	5247
GI	none	Score	.56
Exons	190..343, 958..1729, 3321..3684, 4309..5247		

Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75384	Strand	-
Start	4908	End	5280
Name	OJ990808_35.9C09.C2.o1.gp	Method	AAT/GAP
Start	4908	End	5280
GI	2428453	Score	685

Exons	4908..5280		
Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75385	Strand	-
Start	7917	End	9368
Name	OJ990808_35.9C09.C2.o1.ts	Method	TBLASTX:Soybean
Start	954	End	4971
GI	none	Score	58
Exons	954..995, 987..1052, 1059..1136, 1152..1235, 1284..1313, 1437..1643, 1445..1612, 3562..3684, 4369..4776, 4374..4748, 4855..4971		
Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75385	Strand	-
Start	7917	End	9368
Name	OJ990808_35.9C09.C2.o2.tm	Method	TBLASTX:Maize
Start	987	End	1313
GI	none	Score	63
Exons	987..1055, 994..1068, 1058..1138, 1059..1142, 1151..1213, 1152..1214, 1277..1312, 1278..1313		
Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75385	Strand	-
Start	7917	End	9368
Name	OJ990808_35.9C09.C2.o2.tw	Method	TBLASTX:Wheat
Start	1005	End	1235
GI	none	Score	185
Exons	1005..1235, 1019..1111, 1142..1234		
Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75385	Strand	-
Start	7917	End	9368
Name	OJ990808_35.9C09.C2.o1.tc	Method	TBLASTX:Cress
Start	1187	End	5121
GI	none	Score	52
Exons	1187..1234, 1188..1235, 1284..1313, 1316..1411, 1326..1661, 1448..1612, 3463..3684, 4369..4761, 4374..4757, 4870..5079, 5083..5121		
Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75385	Strand	-
Start	7917	End	9368
Name	OJ990808_35.9C09.C2.o1.tw	Method	TBLASTX:Wheat
Start	1278	End	1642
GI	none	Score	57
Exons	1278..1313, 1334..1642, 1335..1616		
Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75385	Strand	-
Start	7917	End	9368
Name	OJ990808_35.9C09.C2.o1.tm	Method	TBLASTX:Maize
Start	1335	End	5121
GI	none	Score	117
Exons	1335..1397, 1431..1574, 1463..1573, 1575..1643, 3574..3684, 4369..4779, 4374..4415, 4449..4748, 4855..4875, 4870..4935, 5044..5121		

Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75385	Strand	-
Start	7917	End	9368
Name	OJ990808_35.9C09.C2.o3.gs	Method	GENSCAN
Start	7917	End	9368
GI	none	Score	.42
Exons	7917..8412, 8789..8900, 9197..9368		

Seq. No.	36618	Seq. ID	OJ990808_35.9C09.C2
Gene No.	75385	Strand	-
Start	7917	End	9368
Name	OJ990808_35.9C09.C2.o2.np	Method	AAT/NAP
Start	8033	End	9119
GI	6815053	Score	724
Exons	8033..8268, 8296..8471, 8972..9119		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75386	Strand	+
Start	478	End	4032
Name	OJ990808_35.9C09.C3.o1.gs	Method	GENSCAN
Start	478	End	4032
GI	none	Score	.9
Exons	478..707, 878..2300, 2542..4032		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75386	Strand	+
Start	478	End	4032
Name	OJ990808_35.9C09.C3.o1.np	Method	AAT/NAP
Start	897	End	4029
GI	6907089	Score	4141
Exons	897..2158, 2259..4029		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75387	Strand	+
Start	16671	End	18962
Name	OJ990808_35.9C09.C3.o2.gp	Method	AAT/GAP
Start	16421	End	17226
GI	50660_1.R1084	Score	826
Exons	16421..16785, 17138..17226		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75387	Strand	+
Start	16671	End	18962
Name	OJ990808_35.9C09.C3.o3.gs	Method	GENSCAN
Start	16671	End	18951
GI	none	Score	.87
Exons	16671..16785, 17138..17223, 17350..17467, 17634..17734, 18091..18630, 18737..18951		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75387	Strand	+
Start	16671	End	18962
Name	OJ990808_35.9C09.C3.o3.gp	Method	AAT/GAP

Start	18248	End	18962
GI	16132_2.R1084	Score	1110
Exons	18248..18630, 18737..18962		
GI Descrip.	'4204265 6.0e-17 (AC005223) 45643 [Arabidopsis thaliana]'		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75388	Strand	-
Start	4656	End	10087
Name	OJ990808_35.9C09.C3.o2.np	Method	AAT/NAP
Start	4656	End	10087
GI	6498441	Score	6914
Exons	4656..4916, 5010..6407, 6579..7302, 7477..7611, 7795..8168, 8232..8695, 9026..10087		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75389	Strand	-
Start	10818	End	11459
Name	OJ990808_35.9C09.C3.o3.np	Method	AAT/NAP
Start	10818	End	11459
GI	5042454	Score	167
Exons	10818..10878, 11294..11459		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o6.tm	Method	TBLASTX:Maize
Start	4653	End	4797
GI	none	Score	127
Exons	4653..4796, 4657..4797		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o7.tw	Method	TBLASTX:Wheat
Start	4665	End	5222
GI	none	Score	73
Exons	4665..4790, 4672..4791, 4908..5198, 4956..5222, 4963..5220		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o4.tw	Method	TBLASTX:Wheat
Start	5227	End	5628
GI	none	Score	241
Exons	5227..5628, 5247..5627		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o3.tm	Method	TBLASTX:Maize
Start	5433	End	5765
GI	none	Score	82
Exons	5433..5645, 5442..5765, 5455..5736		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o8.tw	Method	TBLASTX:Wheat
Start	5958	End	6270
GI	none	Score	76
Exons	5958..6218, 5983..6270		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o2.ts	Method	TBLASTX:Soybean
Start	6018	End	6584
GI	5666795	Score	68
Exons	6018..6218, 6273..6410, 6486..6584		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o6.tw	Method	TBLASTX:Wheat
Start	6273	End	6624
GI	none	Score	89
Exons	6273..6422, 6274..6411, 6288..6413, 6466..6624, 6483..6623		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o1.ts	Method	TBLASTX:Soybean
Start	7140	End	7511
GI	none	Score	90
Exons	7140..7511, 7351..7494		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o2.tw	Method	TBLASTX:Wheat
Start	7170	End	7589
GI	none	Score	272
Exons	7170..7589, 7195..7548, 7311..7586		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o4.tm	Method	TBLASTX:Maize
Start	7263	End	7647
GI	none	Score	209
Exons	7263..7646, 7282..7647		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o2.tm	Method	TBLASTX:Maize
Start	7674	End	8030
GI	none	Score	74
Exons	7674..7790, 7674..8030, 7684..7995		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o1.tw	Method	TBLASTX:Wheat
Start	7698	End	8161
GI	none	Score	209
Exons	7698..8159, 7704..8159, 7705..8160, 7718..8161		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o4.ts	Method	TBLASTX:Soybean
Start	7755	End	8120
GI	none	Score	117
Exons	7755..7889, 7896..8120		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o3.tw	Method	TBLASTX:Wheat
Start	8325	End	8811
GI	none	Score	174
Exons	8325..8810, 8356..8616, 8638..8811		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o5.tw	Method	TBLASTX:Wheat
Start	9546	End	9884
GI	none	Score	87
Exons	9546..9803, 9580..9819, 9786..9884, 9787..9867		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o5.tm	Method	TBLASTX:Maize
Start	9648	End	9896
GI	none	Score	105
Exons	9648..9896, 9649..9894		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o4.np	Method	AAT/NAP
Start	14130	End	15458
GI	3080386	Score	306
Exons	14130..14677, 15303..15458		
GI Descrip.	(AL022603) hypothetical protein [Arabidopsis thaliana] gi|3402761|emb|CAA20207.1| (AL031187) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75390	Strand	-
Start	14130	End	15458
Name	OJ990808_35.9C09.C3.o1.gp	Method	AAT/GAP
Start	14594	End	15008

GI	4878165	Score	579
Exons	14594..14762, 14840..15008		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75391	Strand	
Start	17133	End	18961
Name	OJ990808_35.9C09.C3.o1.tm	Method	TBLASTX:Maize
Start	17133	End	18961
GI	none	Score	72
Exons	17133..17183, 17133..17246, 17134..17217, 17344..17502, 17349..17468, 17659..17733, 17660..17734, 18092..18187, 18093..18188, 18136..18204, 18190..18357, 18192..18356, 18336..18368, 18337..18366, 18378..18458, 18378..18470, 18379..18471, 18379..18471, 18468..18578, 18469..18639, 18469..18516, 18470..18583, 18565..18630, 18578..18631, 18724..18855, 18725..18856, 18732..18857, 18788..18862, 18789..18863, 18907..18957, 18908..18937, 18909..18947, 18932..18961, 18939..18959		

Seq. No.	36619	Seq. ID	OJ990808_35.9C09.C3
Gene No.	75391	Strand	
Start	17133	End	18961
Name	OJ990808_35.9C09.C3.o3.ts	Method	TBLASTX:Soybean
Start	17133	End	18122
GI	none	Score	72
Exons	17133..17183, 17133..17246, 17134..17217, 17344..17502, 17349..17468, 17659..17733, 17660..17734, 18093..18122		

Seq. No.	36620	Seq. ID	OJ990808_35.9C09.C4
Gene No.	75392	Strand	+
Start	268	End	390
Name	OJ990808_35.9C09.C4.o1.gp	Method	AAT/GAP
Start	268	End	390
GI	LIB3433-056-P1-K1-C3	Score	192
Exons	268..390		
GI Descrip.	'4097572/gb|U64917|GMU64917 2.0e-11 Glycine max farnesylated protein GMFP7 mRNA, partial cds'		

Seq. No.	36620	Seq. ID	OJ990808_35.9C09.C4
Gene No.	75393	Strand	-
Start	979	End	1509
Name	OJ990808_35.9C09.C4.o1.gs	Method	GENSCAN
Start	979	End	1499
GI	none	Score	.44
Exons	979..1499		

Seq. No.	36620	Seq. ID	OJ990808_35.9C09.C4
Gene No.	75393	Strand	-
Start	979	End	1509
Name	OJ990808_35.9C09.C4.o1.tm	Method	TBLASTX:Maize
Start	1339	End	1509
GI	none	Score	157
Exons	1339..1509, 1342..1500		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75394	Strand	+
Start	1	End	14868

Name	OJ990808_35.9C09.C5.o1.np	Method	AAT/NAP
Start	1	End	4660
GI	4417267	Score	1127
Exons	1..143, 876..957, 1513..1738, 1827..1943, 2019..2188, 2617..2750, 2866..3027, 3152..3740, 4059..4305, 4445..4660		
GI Descrip.	(AC007019) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75394	Strand	+
Start	1	End	14868
Name	OJ990808_35.9C09.C5.o1.gs	Method	GENSCAN
Start	269	End	13142
GI	none	Score	.65
Exons	269..339, 429..630, 800..957, 1513..1747, 1836..1943, 2019..2188, 2617..2750, 2953..3037, 3396..3694, 3847..3959, 4128..4305, 4445..4608, 5761..5837, 6026..6212, 7108..7500, 8108..8263, 9054..9212, 10277..10359, 10497..10542, 10836..10923, 11020..11189, 11328..11441, 11508..11615, 12049..12187, 13009..13142		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75394	Strand	+
Start	1	End	14868
Name	OJ990808_35.9C09.C5.o2.np	Method	AAT/NAP
Start	7135	End	14685
GI	4585987	Score	925
Exons	7135..7242, 7351..7500, 8108..8263, 9054..9212, 9316..9399, 9551..9630, 9730..9780, 9898..9997, 10277..10359, 10497..10542, 10830..10923, 11020..11193, 13207..13309, 14622..14685		
GI Descrip.	(AC005287) Similar to nucleolar protein [Arabidopsis thaliana]		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75394	Strand	+
Start	1	End	14868
Name	OJ990808_35.9C09.C5.o1.gp	Method	AAT/GAP
Start	9056	End	9982
GI	LIB3432-051-P1-K1-B3	Score	712
Exons	9056..9212, 9316..9399, 9551..9630, 9730..9750, 9898..9982		
GI Descrip.	'4585987/gb|AAD25623.1|AC005287_25 9.0e-53 (AC005287) Similar to nucleolar protein [Arabidopsis thaliana]'		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75394	Strand	+
Start	1	End	14868
Name	OJ990808_35.9C09.C5.o2.gp	Method	AAT/GAP
Start	13545	End	14033
GI	none	Score	974
Exons	13545..14033		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75394	Strand	+
Start	1	End	14868
Name	OJ990808_35.9C09.C5.o2.gs	Method	GENSCAN
Start	13588	End	14868
GI	none	Score	1
Exons	13588..14868		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75394	Strand	+
Start	1	End	14868
Name	OJ990808_35.9C09.C5.o3.np	Method	AAT/NAP
Start	13588	End	14865
GI	3914996	Score	1362
Exons	13588..14865		
GI Descrip.	PHOSPHOSERINE AMINOTRANSFERASE, CHLOROPLAST PRECURSOR (PSAT) gi|1665831|dbj|BAA13640| (D88541) phosphoserine aminotransferase [Arabidopsis thaliana] gi|2804260|dbj|BAA24441| (AB010408) phosphoserine aminotransferase [Arabidopsis thaliana] gi|3367581|emb|CAA20033| (AL031135) phosphoserine aminotransferase [Arabidopsis thaliana]		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75394	Strand	+
Start	1	End	14868
Name	OJ990808_35.9C09.C5.o3.gp	Method	AAT/GAP
Start	14256	End	14688
GI	LIB3433-018-Q6-K6-E12	Score	833
Exons	14256..14688		
GI Descrip.	'1711381/sp|P52877|SERC_SPIOL 4.0e-62 PHOSPHOSERINE AMINOTRANSFERASE PRECURSOR (PSAT) >gi 1256204 dbj BAA12206 (D84061) phosphoserine aminotransferase [Spinacia oleracea]'		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75395	Strand	+
Start	15724	End	19045
Name	OJ990808_35.9C09.C5.o3.gs	Method	GENSCAN
Start	15724	End	18514
GI	none	Score	.71
Exons	15724..15792, 17082..17204, 17339..17593, 17605..17811, 17911..18223, 18405..18514		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75395	Strand	+
Start	15724	End	19045
Name	OJ990808_35.9C09.C5.o5.np	Method	AAT/NAP
Start	16567	End	19045
GI	4582446	Score	15
Exons	16567..16626, 17839..17953, 19022..19045		
GI Descrip.	(AC007071) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75395	Strand	+
Start	15724	End	19045
Name	OJ990808_35.9C09.C5.o4.np	Method	AAT/NAP
Start	16839	End	19045
GI	4587595	Score	353
Exons	16839..17204, 17318..17833, 18958..19045		
GI Descrip.	(AC006951) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75395	Strand	+
Start	15724	End	19045

Name	OJ990808_35.9C09.C5.o4.gs	Method	GENSCAN
Start	18889	End	19020
GI	none	Score	.92
Exons	18889..19020		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75396	Strand	-
Start	14700	End	15147
Name	OJ990808_35.9C09.C5.o4.gp	Method	AAT/GAP
Start	14700	End	15147
GI	51794_1.R1084	Score	858
Exons	14700..15147		
GI Descrip.	'4926868/gb|AAD32948.1|AC007509_3 1.0e-17 (AC007509) putative phosphoserine aminotransferase precursor [Arabidopsis thaliana]'		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o5.tm	Method	TBLASTX:Maize
Start	907	End	1672
GI	none	Score	82
Exons	907..966, 908..958, 1500..1664, 1506..1628, 1514..1672, 1558..1671		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o4.tm	Method	TBLASTX:Maize
Start	2042	End	2752
GI	none	Score	256
Exons	2042..2188, 2043..2189, 2043..2189, 2044..2190, 2056..2190, 2605..2751, 2615..2752		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o3.ts	Method	TBLASTX:Soybean
Start	2088	End	2951
GI	none	Score	144
Exons	2088..2189, 2629..2748, 2644..2751, 2645..2752, 2859..2951, 2864..2944		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o4.ts	Method	TBLASTX:Soybean
Start	3256	End	3540
GI	none	Score	225
Exons	3256..3540, 3303..3410		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o2.tm	Method	TBLASTX:Maize
Start	8140	End	11198
GI	none	Score	128
Exons	8140..8265, 8141..8272, 9048..9215, 9048..9212, 9053..9214,		

9310..9399, 9312..9395, 9531..9629, 9533..9634, 9550..9633, 9730..9783, 9731..9781, 9895..9999, 9895..9999, 10264..10362, 10268..10360, 10274..10366, 10492..10536, 10830..10922, 10836..10922, 10837..10923, 11016..11147, 11018..11173, 11019..11198

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o6.ts	Method	TBLASTX:Soybean
Start	9111	End	9598
GI	none	Score	144
Exons	9111..9215, 9113..9214, 9309..9341, 9310..9342, 9349..9399, 9533..9598		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o5.ts	Method	TBLASTX:Soybean
Start	10827	End	11178
GI	none	Score	108
Exons	10827..10922, 10847..10921, 11018..11170, 11019..11174, 11026..11178		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o1.tc	Method	TBLASTX:Cress
Start	13693	End	14874
GI	none	Score	321
Exons	13693..14040, 13797..14063, 14046..14270, 14047..14271, 14262..14690, 14263..14694, 14700..14870, 14701..14871, 14743..14874		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o1.ts	Method	TBLASTX:Soybean
Start	13780	End	14574
GI	none	Score	596
Exons	13780..14271, 13780..13944, 13797..14267, 14213..14269, 14262..14570, 14263..14574		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o3.tm	Method	TBLASTX:Maize
Start	13804	End	14004
GI	none	Score	57
Exons	13804..13845, 13807..13845, 13828..14004, 13845..14000		

Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o1.tm	Method	TBLASTX:Maize
Start	14007	End	15041
GI	none	Score	1399

Exons	14007..14876, 14008..14868, 14823..14870, 14982..15041		
Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o2.ts	Method	TBLASTX:Soybean
Start	14575	End	14868
GI	none	Score	152
Exons	14575..14694, 14575..14688, 14577..14702, 14700..14858, 14701..14862, 14743..14868		
Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o6.np	Method	AAT/NAP
Start	16858	End	18994
GI	728868	Score	116
Exons	16858..16884, 17992..18205, 18873..18994		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		
Seq. No.	36621	Seq. ID	OJ990808_35.9C09.C5
Gene No.	75397	Strand	-
Start	16858	End	18994
Name	OJ990808_35.9C09.C5.o7.ts	Method	TBLASTX:Soybean
Start	17414	End	17670
GI	none	Score	94
Exons	17414..17482, 17566..17670, 17592..17669		
Seq. No.	36622	Seq. ID	OJ990808_35.9C09.C6
Gene No.	75398	Strand	+
Start	1	End	1985
Name	OJ990808_35.9C09.C6.o1.np	Method	AAT/NAP
Start	1	End	1985
GI	6630731	Score	435
Exons	1..116, 228..455, 1305..1370, 1872..1985		
GI Descrip.	(AL132958) RNA helicase-like protein [Arabidopsis thaliana]		
Seq. No.	36622	Seq. ID	OJ990808_35.9C09.C6
Gene No.	75398	Strand	+
Start	1	End	1985
Name	OJ990808_35.9C09.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	1985
GI	none	Score	156
Exons	2..109, 3..116, 225..464, 227..289, 333..464, 1869..1985, 1869..1976, 1871..1984		
Seq. No.	36622	Seq. ID	OJ990808_35.9C09.C6
Gene No.	75398	Strand	+
Start	1	End	1985
Name	OJ990808_35.9C09.C6.o1.tm	Method	TBLASTX:Maize
Start	3	End	1985
GI	none	Score	167
Exons	3..119, 3..107, 225..455, 225..455, 227..457, 412..462, 1291..1371, 1299..1382, 1302..1373, 1304..1396, 1858..1983,		

1862..1984, 1862..1984, 1863..1985

Seq. No.	36622	Seq. ID	OJ990808_35.9C09.C6
Gene No.	75398	Strand	+
Start	1	End	1985
Name	OJ990808_35.9C09.C6.o1.gs	Method	GENSCAN
Start	39	End	455
GI	none	Score	.87
Exons	39..116, 228..455		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75399	Strand	+
Start	1	End	924
Name	OJ990808_35.9C09.C7.o1.gp	Method	AAT/GAP
Start	1	End	368
GI	LIB3433-060-P1-K1-H6	Score	195
Exons	1..139, 348..368		
GI Descrip.	'1175426/sp|Q09747|YB66_SCHPO 7.0e-15 PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06 >gi_984214_emb_CAA90819_ (Z54140) probable ATP-dependent RNA helicase [Schizosaccharomyces pombe]'		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75399	Strand	+
Start	1	End	924
Name	OJ990808_35.9C09.C7.o1.np	Method	AAT/NAP
Start	1	End	923
GI	6630731	Score	202
Exons	1..139, 696..781, 858..923		
GI Descrip.	(AL132958) RNA helicase-like protein [Arabidopsis thaliana]		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75399	Strand	+
Start	1	End	924
Name	OJ990808_35.9C09.C7.o1.gs	Method	GENSCAN
Start	52	End	923
GI	none	Score	.8
Exons	52..139, 696..781, 858..923		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75399	Strand	+
Start	1	End	924
Name	OJ990808_35.9C09.C7.o2.gp	Method	AAT/GAP
Start	679	End	924
GI	LIB3433-060-P1-K1-H6	Score	245
Exons	679..781, 858..924		
GI Descrip.	'1175426/sp|Q09747|YB66_SCHPO 7.0e-15 PUTATIVE ATP-DEPENDENT RNA HELICASE C12C2.06 >gi_984214_emb_CAA90819_ (Z54140) probable ATP-dependent RNA helicase [Schizosaccharomyces pombe]'		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75400	Strand	-
Start	1578	End	5164
Name	OJ990808_35.9C09.C7.o2.tm	Method	TBLASTX:Maize
Start	2	End	934
GI	none	Score	156
Exons	2..142, 18..140, 25..159, 27..143, 694..783, 694..792, 695..790, 695..796, 852..905, 857..907, 857..934, 861..929		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75400	Strand	-
Start	1578	End	5164
Name	OJ990808_35.9C09.C7.o1.tm	Method	TBLASTX:Maize
Start	1537	End	2548
GI	none	Score	312
Exons	1537..1773, 1561..1770, 1584..1775, 2256..2387, 2260..2400, 2261..2407, 2419..2457, 2437..2547, 2438..2548		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75400	Strand	-
Start	1578	End	5164
Name	OJ990808_35.9C09.C7.o2.gs	Method	GENSCAN
Start	1578	End	4748
GI	none	Score	.56
Exons	1578..1772, 2347..2706, 3736..3855, 4311..4748		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75400	Strand	-
Start	1578	End	5164
Name	OJ990808_35.9C09.C7.o1.ts	Method	TBLASTX:Soybean
Start	1582	End	2535
GI	none	Score	159
Exons	1582..1767, 1584..1775, 2257..2535, 2258..2395		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75400	Strand	-
Start	1578	End	5164
Name	OJ990808_35.9C09.C7.o3.gp	Method	AAT/GAP
Start	2437	End	4784
GI	7995_1.R1084	Score	1436
Exons	2437..2706, 4311..4784		
GI Descrip.	'5042413/gb|AAD38252.1|AC006193_8 8.0e-43 (AC006193) Hypothetical Protein [Arabidopsis thaliana]'		

Seq. No.	36623	Seq. ID	OJ990808_35.9C09.C7
Gene No.	75400	Strand	-
Start	1578	End	5164
Name	OJ990808_35.9C09.C7.o2.np	Method	AAT/NAP
Start	3169	End	5164
GI	4680492	Score	769
Exons	3169..3910, 5143..5164		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	36624	Seq. ID	OJ990808_35.9C09.C8
Gene No.	75401	Strand	-
Start	869	End	1326
Name	OJ990808_35.9C09.C8.o1.gp	Method	AAT/GAP
Start	869	End	1326
GI	16132_1.R1084	Score	876
Exons	869..1326		
GI Descrip.	'4204265 8.0e-82 (AC005223) 45643 [Arabidopsis thaliana]'		

Seq. No.	36625	Seq. ID	OJ990808_35.9C09.C9
Gene No.	75402	Strand	+
Start	472	End	1096

Name	OJ990808_35.9C09.C9.o1.np	Method	AAT/NAP
Start	472	End	1096
GI	2498930	Score	714
Exons	472..535, 703..1096		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36625	Seq. ID	OJ990808_35.9C09.C9
Gene No.	75402	Strand	+
Start	472	End	1096
Name	OJ990808_35.9C09.C9.o1.gs	Method	GENSCAN
Start	476	End	1004
GI	none	Score	.71
Exons	476..535, 703..1004		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75403	Strand	+
Start	1250	End	1438
Name	OJ990808_35.9C09.C11.o1.gp	Method	AAT/GAP
Start	1250	End	1438
GI	1036965	Score	336
Exons	1250..1438		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75404	Strand	+
Start	9573	End	10388
Name	OJ990808_35.9C09.C11.o5.gs	Method	GENSCAN
Start	9573	End	10388
GI	none	Score	.97
Exons	9573..9809, 10197..10388		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75405	Strand	-
Start	293	End	454
Name	OJ990808_35.9C09.C11.o1.gs	Method	GENSCAN
Start	293	End	454
GI	none	Score	.98
Exons	293..454		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75406	Strand	-
Start	1613	End	2198
Name	OJ990808_35.9C09.C11.o2.gs	Method	GENSCAN
Start	1613	End	2198
GI	none	Score	.97
Exons	1613..1781, 1840..2198		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75406	Strand	-
Start	1613	End	2198
Name	OJ990808_35.9C09.C11.o1.np	Method	AAT/NAP
Start	1658	End	2000
GI	3935142	Score	131
Exons	1658..2000		
GI Descrip.	(AC005106) T25N20.6 [Arabidopsis thaliana]		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11

Gene No.	75407	Strand	-
Start	7631	End	8632
Name	OJ990808_35.9C09.C11.o1.tm	Method	TBLASTX:Maize
Start	1670	End	1875
GI	none	Score	102
Exons	1670..1771, 1682..1774, 1824..1874, 1825..1875		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75407	Strand	-
Start	7631	End	8632
Name	OJ990808_35.9C09.C11.o2.np	Method	AAT/NAP
Start	7625	End	8632
GI	100920	Score	784
Exons	7625..7795, 7881..8198, 8285..8632		
GI Descrip.	rab28 protein - maize gi|22460|emb|CAA41854| (X59138) abscisic acid-inducible [Zea mays]		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75407	Strand	-
Start	7631	End	8632
Name	OJ990808_35.9C09.C11.o4.gs	Method	GENSCAN
Start	7631	End	8632
GI	none	Score	.89
Exons	7631..7795, 7881..8198, 8249..8632		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75407	Strand	-
Start	7631	End	8632
Name	OJ990808_35.9C09.C11.o1.tc	Method	TBLASTX:Cress
Start	7649	End	8626
GI	none	Score	177
Exons	7649..7804, 7881..8099, 8240..8320, 8277..8555, 8321..8554, 8600..8626		

Seq. No.	36626	Seq. ID	OJ990808_35.9C09.C11
Gene No.	75407	Strand	-
Start	7631	End	8632
Name	OJ990808_35.9C09.C11.o1.ts	Method	TBLASTX:Soybean
Start	7649	End	8632
GI	none	Score	176
Exons	7649..7801, 7881..8099, 8264..8320, 8321..8554, 8322..8555, 8606..8632		

Seq. No.	36627	Seq. ID	OJ990808_35.9C09.C12
Gene No.	75408	Strand	-
Start	3919	End	4069
Name	OJ990808_35.9C09.C12.o1.gp	Method	AAT/GAP
Start	3919	End	4069
GI	36172_1.R1084	Score	229
Exons	3919..4069		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	36628	Seq. ID	OJ990808_35.9C09.C13
Gene No.	75409	Strand	+
Start	146	End	288
Name	OJ990808_35.9C09.C13.o1.gs	Method	GENSCAN

Start	146	End	288
GI	none	Score	.98
Exons	146..288		

Seq. No.	36628	Seq. ID	OJ990808_35.9C09.C13
Gene No.	75410	Strand	-
Start	426	End	988
Name	OJ990808_35.9C09.C13.o1.tm	Method	TBLASTX:Maize
Start	134	End	303
GI	none	Score	99
Exons	134..295, 140..295, 141..299, 144..296, 145..303		

Seq. No.	36628	Seq. ID	OJ990808_35.9C09.C13
Gene No.	75410	Strand	-
Start	426	End	988
Name	OJ990808_35.9C09.C13.o1.gp	Method	AAT/GAP
Start	426	End	988
GI	36805_1.R1084	Score	1012
Exons	426..988		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	36629	Seq. ID	OJ990808_35.9C09.C14
Gene No.	75411	Strand	-
Start	1	End	643
Name	OJ990808_35.9C09.C14.o1.gp	Method	AAT/GAP
Start	1	End	643
GI	17679_1.R1084	Score	1213
Exons	1..643		
GI Descrip.	'2244840/emb|CAB10262.1| 1.0e-11 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36629	Seq. ID	OJ990808_35.9C09.C14
Gene No.	75411	Strand	-
Start	1	End	643
Name	OJ990808_35.9C09.C14.o1.gs	Method	GENSCAN
Start	68	End	556
GI	none	Score	.69
Exons	68..556		

Seq. No.	36629	Seq. ID	OJ990808_35.9C09.C14
Gene No.	75411	Strand	-
Start	1	End	643
Name	OJ990808_35.9C09.C14.o1.tm	Method	TBLASTX:Maize
Start	68	End	559
GI	none	Score	69
Exons	68..133, 68..121, 167..268, 171..257, 304..345, 305..463, 335..391, 353..526, 380..505, 399..527, 521..559, 522..557, 527..559		

Seq. No.	36629	Seq. ID	OJ990808_35.9C09.C14
Gene No.	75411	Strand	-
Start	1	End	643
Name	OJ990808_35.9C09.C14.o1.np	Method	AAT/NAP
Start	130	End	581
GI	2244840	Score	197
Exons	130..581		

GI Descrip. (Z97337) hypothetical protein [Arabidopsis thaliana]

Seq. No.	36630	Seq. ID	OJ990808_35.9C09.C15
Gene No.	75412	Strand	-
Start	690	End	830
Name	OJ990808_35.9C09.C15.o1.gp	Method	AAT/GAP
Start	690	End	830
GI	17679_1.R1084	Score	239
Exons	690..830		
GI Descrip.	'2244840/emb|CAB10262.1| 1.0e-11 (Z97337) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75413	Strand	+
Start	2090	End	5484
Name	OJ990808_30.9C10.C1.o1.gs	Method	GENSCAN
Start	2090	End	5484
GI	none	Score	.49
Exons	2090..2194, 4463..4534, 5255..5378, 5390..5484		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75414	Strand	+
Start	6613	End	9870
Name	OJ990808_30.9C10.C1.o2.gs	Method	GENSCAN
Start	6613	End	9176
GI	none	Score	.43
Exons	6613..6728, 6787..6932, 8641..9176		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75414	Strand	+
Start	6613	End	9870
Name	OJ990808_30.9C10.C1.o2.np	Method	AAT/NAP
Start	8652	End	9870
GI	4678202	Score	52
Exons	8652..8804, 9835..9870		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75415	Strand	-
Start	10173	End	12194
Name	OJ990808_30.9C10.C1.o3.gs	Method	GENSCAN
Start	10173	End	12194
GI	none	Score	.89
Exons	10173..10277, 10395..10544, 10587..10751, 10974..11054, 11706..11935, 11978..12194		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75415	Strand	-
Start	10173	End	12194
Name	OJ990808_30.9C10.C1.o3.np	Method	AAT/NAP
Start	10383	End	11918
GI	4646202	Score	611
Exons	10383..10751, 10974..11054, 11706..11918		
GI Descrip.	(AC007230) ESTs gb|H76289 and gb|H76537 come from this gene. [Arabidopsis thaliana]		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1

Gene No.	75415	Strand	-
Start	10173	End	12194
Name	OJ990808_30.9C10.C1.o1.gp	Method	AAT/GAP
Start	10720	End	12185
GI	LIB3432-046-P1-K1-B4	Score	849
Exons	10720..10751, 10974..11054, 11706..11935, 12029..12185		
GI Descrip.	'4646202/gb|AAD26875.1|AC007230_9 5.0e-39 (AC007230) ESTs gb_H76289 and gb_H76537 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o2.ts	Method	TBLASTX:Soybean
Start	10071	End	11879
GI	none	Score	88
Exons	10071..10094, 10173..10274, 10174..10245, 10395..10565, 10396..10434, 10440..10667, 10477..10659, 10677..10751, 10684..10752, 10974..11060, 10975..11046, 11704..11820, 11706..11879		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	10246	End	11040
GI	none	Score	64
Exons	10246..10284, 10248..10292, 10395..10481, 10399..10434, 10461..10751, 10465..10773, 10480..10755, 10970..11038, 10974..11039, 10975..11040, 10975..11040		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o1.tc	Method	TBLASTX:Cress
Start	10974	End	11879
GI	none	Score	90
Exons	10974..11060, 10975..11046, 11703..11879, 11704..11820		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o5.tm	Method	TBLASTX:Maize
Start	11736	End	12256
GI	none	Score	153
Exons	11736..11888, 11781..11903, 12191..12256, 12192..12245		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o3.tm	Method	TBLASTX:Maize
Start	13186	End	13385
GI	none	Score	173
Exons	13186..13380, 13190..13384, 13192..13380, 13251..13385		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-

Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o4.gs	Method	GENSCAN
Start	13190	End	23434
GI	none	Score	.63
Exons	13190..13471, 13706..13963, 14042..14167, 14261..14356, 14451..14541, 15150..15238, 15428..15932, 16235..16290, 16390..16456, 16565..16617, 16651..16943, 17743..17884, 17970..18290, 18370..18614, 18995..19370, 19499..19521, 19637..19892, 19985..20233, 20238..20308, 20397..20486, 20599..20715, 21103..21437, 21447..22192, 22340..23434		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o4.np	Method	AAT/NAP
Start	13193	End	16869
GI	6560748	Score	633
Exons	13193..13471, 13706..13963, 14042..14167, 14267..14356, 14397..14541, 15150..15238, 15725..15877, 16390..16458, 16651..16869		
GI Descrip.	(AC010155) F3M18.1 [Arabidopsis thaliana] gi|6691212|gb|AAF24550.1|AC007508_13 (AC007508) F1K23.17 [Arabidopsis thaliana]		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	13223	End	14335
GI	none	Score	131
Exons	13223..13474, 13266..13475, 13704..13805, 13706..13936, 13707..13937, 14030..14164, 14031..14168, 14258..14335		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o4.tm	Method	TBLASTX:Maize
Start	13940	End	15238
GI	none	Score	127
Exons	13940..13966, 14024..14170, 14040..14165, 14042..14176, 14261..14359, 14264..14359, 14265..14363, 14451..14561, 14451..14543, 14452..14544, 15140..15238, 15143..15235		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o5.np	Method	AAT/NAP
Start	18981	End	23323
GI	5441880	Score	2033
Exons	18981..19706, 19809..20453, 20562..20700, 21250..21577, 21836..21871, 22316..23323		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-

Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o2.gp	Method	AAT/GAP
Start	19308	End	20447
GI	LIB3433-020-P1-K1-A6	Score	750
Exons	19308..19692, 20405..20447		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o1.tw	Method	TBLASTX:Wheat
Start	22085	End	22462
GI	none	Score	59
Exons	22085..22258, 22096..22236, 22202..22249, 22283..22459, 22308..22460, 22313..22462		

Seq. No.	36631	Seq. ID	OJ990808_30.9C10.C1
Gene No.	75416	Strand	-
Start	13190	End	23434
Name	OJ990808_30.9C10.C1.o2.tm	Method	TBLASTX:Maize
Start	22278	End	22756
GI	none	Score	221
Exons	22278..22751, 22289..22756		

Seq. No.	36632	Seq. ID	OJ990808_30.9C10.C2
Gene No.	75417	Strand	-
Start	1797	End	2803
Name	OJ990808_30.9C10.C2.o1.gs	Method	GENSCAN
Start	1797	End	2803
GI	none	Score	.45
Exons	1797..1898, 1985..2803		

Seq. No.	36633	Seq. ID	OJ990808_30.9C10.C3
Gene No.	75418	Strand	+
Start	512	End	1249
Name	OJ990808_30.9C10.C3.o1.gs	Method	GENSCAN
Start	512	End	1249
GI	none	Score	.7
Exons	512..1249		

Seq. No.	36633	Seq. ID	OJ990808_30.9C10.C3
Gene No.	75419	Strand	+
Start	2776	End	3575
Name	OJ990808_30.9C10.C3.o1.np	Method	AAT/NAP
Start	2776	End	3575
GI	6907088	Score	536
Exons	2776..2913, 3089..3327, 3549..3575		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36633	Seq. ID	OJ990808_30.9C10.C3
Gene No.	75420	Strand	-
Start	2223	End	2712
Name	OJ990808_30.9C10.C3.o2.gs	Method	GENSCAN
Start	2223	End	2712
GI	none	Score	.93
Exons	2223..2296, 2703..2712		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75421	Strand	+
Start	453	End	899
Name	OJ990808_30.9C10.C4.o1.gs	Method	GENSCAN
Start	453	End	899
GI	none	Score	.64
Exons	453..899		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75422	Strand	+
Start	1495	End	1701
Name	OJ990808_30.9C10.C4.o2.gs	Method	GENSCAN
Start	1495	End	1701
GI	none	Score	.85
Exons	1495..1701		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o1.np	Method	AAT/NAP
Start	2209	End	6788
GI	4680179	Score	4546
Exons	2209..5626, 5729..6788		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o5.tw	Method	TBLASTX:Wheat
Start	2253	End	2586
GI	none	Score	97
Exons	2253..2585, 2274..2423, 2317..2586		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o9.tm	Method	TBLASTX:Maize
Start	2268	End	2426
GI	none	Score	186
Exons	2268..2426		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o1.tm	Method	TBLASTX
Start	2436	End	3032
GI	none	Score	
Exons	2436..2873, 2436..2873, 2871..3029, 2878..3024, 2880..3032		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	2586	End	3212
GI	none	Score	158
Exons	2586..3212, 2637..3065, 2710..3117		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o4.tm	Method	TBLASTX:Maize
Start	3081	End	3373
GI	none	Score	115
Exons	3081..3371, 3084..3299, 3181..3360, 3221..3373		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	3171	End	3426
GI	none	Score	60
Exons	3171..3299, 3171..3419, 3181..3426		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	3195	End	3512
GI	none	Score	96
Exons	3195..3338, 3214..3336, 3339..3491, 3339..3512		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o3.tw	Method	TBLASTX:Wheat
Start	3219	End	3743
GI	none	Score	267
Exons	3219..3743, 3223..3591		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	3786	End	4139
GI	none	Score	216
Exons	3786..4139, 3829..4137		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o2.tw	Method	TBLASTX:Wheat
Start	3786	End	4212
GI	none	Score	197
Exons	3786..4211, 3801..4154, 3838..4212		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o3.ts	Method	TBLASTX:Soybean
Start	3960	End	4205
GI	none	Score	205
Exons	3960..4205		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o5.tm	Method	TBLASTX:Maize
Start	4146	End	4493
GI	none	Score	65
Exons	4146..4493, 4291..4425		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o6.tw	Method	TBLASTX:Wheat
Start	4218	End	4514
GI	none	Score	66
Exons	4218..4514, 4238..4453, 4255..4470, 4278..4514		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	4227	End	4622
GI	none	Score	150
Exons	4227..4586, 4255..4470, 4278..4586, 4510..4605, 4590..4622, 4590..4622		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o3.tm	Method	TBLASTX:Maize
Start	4509	End	4976
GI	none	Score	94
Exons	4509..4976, 4728..4904, 4732..4905		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o4.tw	Method	TBLASTX:Wheat
Start	4563	End	5046
GI	none	Score	173
Exons	4563..5045, 4572..5018, 4591..5046		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o7.tm	Method	TBLASTX:Maize
Start	4977	End	5183
GI	none	Score	162
Exons	4977..5183, 4978..5124		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o7.tw	Method	TBLASTX:Wheat
Start	5187	End	5591
GI	none	Score	80
Exons	5187..5357, 5242..5361, 5370..5591, 5437..5547, 5538..5591		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o8.tm	Method	TBLASTX:Maize
Start	5274	End	5598
GI	none	Score	61
Exons	5274..5597, 5485..5598		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o6.tm	Method	TBLASTX:Maize
Start	5907	End	6308
GI	none	Score	239
Exons	5907..6308		

Seq. No.	36634	Seq. ID	OJ990808_30.9C10.C4
Gene No.	75423	Strand	-
Start	2209	End	6788
Name	OJ990808_30.9C10.C4.o8.tw	Method	TBLASTX:Wheat
Start	6189	End	6566
GI	none	Score	265
Exons	6189..6566		

Seq. No.	36635	Seq. ID	OJ990808_30.9C10.C5
Gene No.	75424	Strand	-
Start	62	End	101
Name	OJ990808_30.9C10.C5.o1.gs	Method	GENSCAN
Start	62	End	101
GI	none	Score	.95
Exons	62..101		

Seq. No.	36636	Seq. ID	OJ990808_30.9C10.C7
Gene No.	75425	Strand	+
Start	77	End	167
Name	OJ990808_30.9C10.C7.o1.gs	Method	GENSCAN
Start	77	End	167
GI	none	Score	.8
Exons	77..167		

Seq. No.	36637	Seq. ID	OJ990808_30.9C10.C8
Gene No.	75426	Strand	+
Start	1	End	664
Name	OJ990808_30.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	664
GI	3776029	Score	357
Exons	1..25, 118..210, 314..399, 501..664		
GI Descrip.	(AJ010476) RNA helicase [Arabidopsis thaliana]		

Seq. No.	36637	Seq. ID	OJ990808_30.9C10.C8
Gene No.	75426	Strand	+
Start	1	End	664
Name	OJ990808_30.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	2	End	651
GI	none	Score	36
Exons	2..25, 113..211, 113..211, 117..212, 118..219, 289..399, 311..400, 498..644, 498..647, 499..651		

Seq. No.	36637	Seq. ID	OJ990808_30.9C10.C8
Gene No.	75426	Strand	+
Start	1	End	664
Name	OJ990808_30.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	2	End	636
GI	none	Score	36
Exons	2..25, 114..218, 117..212, 118..219, 311..406, 311..373, 313..393, 499..636, 526..636		

Seq. No.	36637	Seq. ID	OJ990808_30.9C10.C8
Gene No.	75426	Strand	+
Start	1	End	664
Name	OJ990808_30.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	117	End	657
GI	none	Score	152
Exons	117..218, 118..219, 311..412, 316..405, 498..650, 499..651, 520..657		

Seq. No.	36637	Seq. ID	OJ990808_30.9C10.C8
Gene No.	75426	Strand	+
Start	1	End	664
Name	OJ990808_30.9C10.C8.o1.gs	Method	GENSCAN
Start	118	End	650
GI	none	Score	.69
Exons	118..210, 314..399, 501..650		

Seq. No.	36638	Seq. ID	OJ990808_30.9C10.C9
Gene No.	75427	Strand	+
Start	2768	End	10435
Name	OJ990808_30.9C10.C9.o1.gs	Method	GENSCAN
Start	2768	End	10435
GI	none	Score	.6
Exons	2768..2941, 3180..3309, 3381..3454, 7977..8081, 9392..10435		

Seq. No.	36638	Seq. ID	OJ990808_30.9C10.C9
Gene No.	75428	Strand	-
Start	11046	End	11380
Name	OJ990808_30.9C10.C9.o2.gs	Method	GENSCAN
Start	11046	End	11380
GI	none	Score	1
Exons	11046..11380		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75429	Strand	+
Start	156	End	2966
Name	OJ990808_30.9C10.C10.o1.np	Method	AAT/NAP
Start	156	End	2963
GI	4850384	Score	901
Exons	156..397, 522..605, 791..906, 1011..1112, 1191..1304, 1392..1448, 1637..1764, 1832..1885, 2274..2348, 2432..2467, 2865..2963		
GI Descrip.	(AC007357) F3F19.3 [Arabidopsis thaliana]		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75429	Strand	+
Start	156	End	2966

Name	OJ990808_30.9C10.C10.o1.gs	Method	GENSCAN
Start	293	End	2966
GI	none	Score	.71
Exons	293..397, 423..605, 791..880, 2865..2966		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75430	Strand	+
Start	15474	End	16063
Name	OJ990808_30.9C10.C10.o2.gp	Method	AAT/GAP
Start	15474	End	16063
GI	7905_1.R1084	Score	1143
Exons	15474..16063		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75431	Strand	-
Start	3594	End	4820
Name	OJ990808_30.9C10.C10.o2.gs	Method	GENSCAN
Start	3594	End	4820
GI	none	Score	.78
Exons	3594..4820		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75431	Strand	-
Start	3594	End	4820
Name	OJ990808_30.9C10.C10.o1.gp	Method	AAT/GAP
Start	4185	End	4500
GI	5003927	Score	596
Exons	4185..4500		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75432	Strand	-
Start	8040	End	11795
Name	OJ990808_30.9C10.C10.o3.gs	Method	GENSCAN
Start	8040	End	11795
GI	none	Score	.67
Exons	8040..8200, 9859..10165, 10536..10694, 10864..10982, 11400..11512, 11716..11795		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75433	Strand	-
Start	12406	End	12714
Name	OJ990808_30.9C10.C10.o4.gs	Method	GENSCAN
Start	12406	End	12714
GI	none	Score	1
Exons	12406..12714		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	266	End	2972
GI	none	Score	148
Exons	266..397, 277..399, 519..605, 537..605, 787..909, 791..907, 1009..1104, 1011..1121, 1012..1110, 1191..1277, 1191..1274, 1192..1317, 1384..1449, 1389..1460, 1698..1763, 1698..1769,		

1699..1764, 1812..1883, 1826..1885, 1831..1884, 2271..2348, 2273..2344, 2284..2349, 2864..2971, 2865..2972

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	290	End	2988
GI	none	Score	159

Exons 290..397, 292..399, 519..605, 521..604, 784..909, 791..907, 1007..1114, 1012..1110, 1189..1317, 1191..1280, 1192..1314, 1384..1449, 1386..1460, 1698..1763, 1699..1764, 1699..1764, 1700..1765, 1826..1885, 1831..1884, 2271..2348, 2272..2349, 2273..2347, 2430..2471, 2432..2470, 2446..2481, 2864..2986, 2865..2981, 2866..2988

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o3.tc	Method	TBLASTX:Cress
Start	796	End	1227
GI	none	Score	133

Exons 796..909, 800..907, 1009..1116, 1012..1110, 1189..1227

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o5.tm	Method	TBLASTX:Maize
Start	12589	End	16094
GI	none	Score	104

Exons 12589..12657, 12649..12705, 15657..15812, 15705..15806, 15713..15808, 15863..15928, 15890..15991, 15936..15992, 15936..16094

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o5.gs	Method	GENSCAN
Start	15716	End	26331
GI	none	Score	.69

Exons 15716..15976, 16265..16284, 17598..17701, 17848..18002, 18107..18274, 18908..19099, 19197..19376, 19475..19649, 19742..19916, 21491..21721, 22985..23211, 23313..23398, 23917..24035, 24276..24338, 24455..24891, 24990..25170, 26054..26139, 26243..26331

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o3.tm	Method	TBLASTX:Maize
Start	18239	End	19576
GI	none	Score	129

Exons 18239..18277, 18886..19101, 18898..19011, 18908..19099, 19187..19342, 19187..19252, 19194..19376, 19198..19380, 19338..19382, 19472..19561, 19475..19576

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10

Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o4.ts	Method	TBLASTX:Soybean
Start	18908	End	19561
GI	none	Score	83
Exons	18908..18973, 19037..19099, 19041..19115, 19194..19376, 19198..19365, 19472..19561, 19487..19558		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o2.tc	Method	TBLASTX:Cress
Start	19046	End	19561
GI	none	Score	65
Exons	19046..19099, 19047..19100, 19194..19376, 19198..19377, 19255..19380, 19454..19561		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o3.gp	Method	AAT/GAP
Start	21012	End	22095
GI	20447_2.R1084	Score	1755
Exons	21012..21406, 21491..22095		
GI Descrip.	'5669638/gb|AAD46404.1|AF096248_1 1.0e-24 (AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]'		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o6.tm	Method	TBLASTX:Maize
Start	21220	End	21594
GI	none	Score	56
Exons	21220..21291, 21221..21289, 21237..21290, 21307..21357, 21365..21406, 21366..21407, 21367..21408, 21368..21409, 21489..21593, 21490..21591, 21490..21594, 21507..21593		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o2.np	Method	AAT/NAP
Start	21354	End	25045
GI	5669638	Score	1306
Exons	21354..21405, 21487..21721, 22985..23215, 23492..23594, 23690..23841, 23917..24078, 24159..24338, 24455..24717, 24990..25045		
GI Descrip.	(AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o3.ts	Method	TBLASTX:Soybean
Start	21504	End	23574
GI	none	Score	160
Exons	21504..21722, 22980..23186, 22986..23213, 22987..23214, 23312..23401, 23318..23398, 23490..23573, 23493..23573,		

23494..23574

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o4.tm	Method	TBLASTX:Maize
Start	21596	End	23218
GI	none	Score	105
Exons	21596..21721, 21598..21720, 21600..21722, 21657..21722, 21667..21723, 22980..23213, 22986..23213, 22987..23214, 22994..23218		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	21657	End	24011
GI	none	Score	167
Exons	21657..21722, 22980..23192, 22986..23213, 22990..23214, 22997..23215, 23300..23401, 23307..23396, 23493..23594, 23494..23595, 23687..23839, 23687..23842, 23694..23843, 23911..24009, 23912..24010, 23916..24011		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o4.gp	Method	AAT/GAP
Start	22728	End	23133
GI	4714063	Score	783
Exons	22728..23133		
GI Descrip.	5669638/gb|AAD46404.1|AF096248_1 4.0e-19 (AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	23318	End	24603
GI	none	Score	50
Exons	23318..23398, 23520..23594, 23521..23595, 23687..23851, 23694..23843, 23912..24073, 23916..24074, 24160..24339, 24163..24312, 24167..24361, 24441..24602, 24445..24603		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o2.ts	Method	TBLASTX:Soybean
Start	23954	End	25045
GI	none	Score	96
Exons	23954..24046, 23955..24047, 24041..24073, 24042..24074, 24156..24287, 24158..24328, 24160..24288, 24160..24339, 24167..24328, 24441..24602, 24457..24603, 24992..25045		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o4.tc	Method	TBLASTX:Cress

Start	24014	End	24584
GI	none	Score	40
Exons	24014..24067, 24027..24068, 24178..24330, 24188..24319, 24456..24584		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o5.gp	Method	AAT/GAP
Start	24178	End	24844
GI	3762461	Score	989
Exons	24178..24338, 24455..24844		
GI Descrip.	5669638/gb|AAD46404.1|AF096248_1 1.0e-24 (AF096248) ethylene-responsive RNA helicase [Lycopersicon esculentum]		

Seq. No.	36639	Seq. ID	OJ990808_30.9C10.C10
Gene No.	75434	Strand	-
Start	15716	End	26343
Name	OJ990808_30.9C10.C10.o6.gp	Method	AAT/GAP
Start	25964	End	26343
GI	none	Score	396
Exons	25964..26139, 26243..26343		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75435	Strand	+
Start	157	End	308
Name	OJ990808_30.9C10.C11.o1.gs	Method	GENSCAN
Start	157	End	308
GI	none	Score	.67
Exons	157..308		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75436	Strand	+
Start	974	End	6642
Name	OJ990808_30.9C10.C11.o1.np	Method	AAT/NAP
Start	960	End	6642
GI	2911072	Score	689
Exons	960..1001, 2239..2314, 2469..2664, 2755..2844, 4155..4203, 4445..4572, 4618..4775, 4946..5015, 5464..5554, 5657..5751, 5825..5973, 6361..6472, 6555..6642		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75436	Strand	+
Start	974	End	6642
Name	OJ990808_30.9C10.C11.o2.gs	Method	GENSCAN
Start	974	End	1193
GI	none	Score	.77
Exons	974..1063, 1083..1193		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75436	Strand	+
Start	974	End	6642
Name	OJ990808_30.9C10.C11.o1.gp	Method	AAT/GAP
Start	2081	End	2589
GI	none	Score	547
Exons	2081..2314, 2469..2589		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75436	Strand	+
Start	974	End	6642
Name	OJ990808_30.9C10.C11.o3.gs	Method	GENSCAN
Start	2151	End	5977
GI	none	Score	.96
Exons	2151..2314, 2469..2664, 2755..2844, 2962..3018, 3132..3201, 3488..3552, 4149..4203, 4445..4572, 5464..5565, 5662..5751, 5825..5977		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75436	Strand	+
Start	974	End	6642
Name	OJ990808_30.9C10.C11.o2.gp	Method	AAT/GAP
Start	2638	End	4987
GI	12241_1.R1084	Score	1039
Exons	2638..2664, 2755..2844, 2962..3018, 3132..3201, 3488..3552, 4149..4203, 4445..4572, 4660..4776, 4946..4987		
GI Descrip.	'2911072/emb|CAA17534.1| 4.0e-18 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75436	Strand	+
Start	974	End	6642
Name	OJ990808_30.9C10.C11.o3.gp	Method	AAT/GAP
Start	5924	End	6642
GI	2443_1.R1084	Score	428
Exons	5924..5973, 6361..6472, 6555..6642		
GI Descrip.	'2911072/emb|CAA17534.1| 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75437	Strand	-
Start	6663	End	6752
Name	OJ990808_30.9C10.C11.o2.ts	Method	TBLASTX:Soybean
Start	2439	End	2844
GI	none	Score	79
Exons	2439..2582, 2467..2583, 2568..2657, 2584..2661, 2755..2844		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75437	Strand	-
Start	6663	End	6752
Name	OJ990808_30.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	2527	End	6643
GI	none	Score	70
Exons	2527..2589, 2538..2576, 2575..2664, 2577..2657, 2757..2846, 2758..2868, 2764..2844, 2956..3018, 2961..3020, 2961..3017, 3126..3203, 3130..3168, 3131..3205, 3132..3203, 3482..3550, 4110..4202, 4149..4202, 4443..4571, 4444..4575, 4446..4571, 4627..4800, 4638..4775, 4657..4785, 4943..5029, 4944..5018, 5121..5162, 5455..5550, 5461..5553, 5463..5570, 5659..5763, 5660..5749, 5665..5751, 5822..5974, 5822..5959, 5824..5976, 5824..5973, 6359..6484, 6360..6485, 6364..6486, 6364..6489, 6552..6578, 6565..6639, 6578..6643, 6579..6641		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11

Gene No.	75437	Strand	-
Start	6663	End	6752
Name	OJ990808_30.9C10.C11.o1.ts	Method	TBLASTX:Soybean
Start	3122	End	6641
GI	none	Score	103
Exons	3122..3202, 3132..3203, 3481..3555, 4110..4202, 4443..4571, 4444..4575, 4627..4776, 4662..4775, 4673..4786, 4947..5018, 5461..5547, 5659..5760, 5659..5751, 5807..5965, 5824..5961, 6362..6472, 6385..6465, 6579..6641		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75437	Strand	-
Start	6663	End	6752
Name	OJ990808_30.9C10.C11.o1.tw	Method	TBLASTX:Wheat
Start	5929	End	6643
GI	none	Score	63
Exons	5929..5973, 5930..5974, 5931..5993, 5932..5976, 6359..6484, 6364..6486, 6552..6578, 6573..6632, 6578..6640, 6578..6643, 6579..6641		

Seq. No.	36640	Seq. ID	OJ990808_30.9C10.C11
Gene No.	75437	Strand	-
Start	6663	End	6752
Name	OJ990808_30.9C10.C11.o4.gs	Method	GENSCAN
Start	6663	End	6752
GI	none	Score	.62
Exons	6663..6752		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75438	Strand	+
Start	1	End	1738
Name	OJ990808_30.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	1292
GI	2911072	Score	427
Exons	1..53, 664..744, 813..1037, 1147..1292		
GI Descrip.	(AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75438	Strand	+
Start	1	End	1738
Name	OJ990808_30.9C10.C12.o1.gs	Method	GENSCAN
Start	208	End	1469
GI	none	Score	.84
Exons	208..258, 664..744, 813..1037, 1147..1269, 1353..1469		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75438	Strand	+
Start	1	End	1738
Name	OJ990808_30.9C10.C12.o1.gp	Method	AAT/GAP
Start	649	End	1738
GI	2443_1.R1084	Score	1539
Exons	649..744, 813..1037, 1147..1269, 1353..1738		
GI Descrip.	'2911072/emb|CAA17534.1| 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75439	Strand	+

Start	6712	End	7000
Name	OJ990808_30.9C10.C12.o3.gp	Method	AAT/GAP
Start	6712	End	7000
GI	5039075	Score	555
Exons	6712..7000		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75440	Strand	+
Start	8356	End	11504
Name	OJ990808_30.9C10.C12.o3.gs	Method	GENSCAN
Start	8356	End	11504
GI	none	Score	.8
Exons	8356..8372, 8447..8586, 9338..9957, 10149..10292, 10360..10503, 10610..10668, 10739..11504		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75440	Strand	+
Start	8356	End	11504
Name	OJ990808_30.9C10.C12.o3.np	Method	AAT/NAP
Start	9891	End	11501
GI	6721561	Score	1019
Exons	9891..9926, 10327..10539, 10610..10668, 10739..11501		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75441	Strand	+
Start	11442	End	16605
Name	OJ990808_30.9C10.C12.o5.np	Method	AAT/NAP
Start	11442	End	16605
GI	6721512	Score	103
Exons	11442..11480, 16306..16605		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75442	Strand	-
Start	1934	End	2362
Name	OJ990808_30.9C10.C12.o2.gp	Method	AAT/GAP
Start	1934	End	2362
GI	2800158	Score	715
Exons	1934..2362		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75443	Strand	-
Start	2411	End	7526
Name	OJ990808_30.9C10.C12.o2.gs	Method	GENSCAN
Start	2411	End	6995
GI	none	Score	.88
Exons	2411..2494, 2612..2672, 2747..2811, 2911..3192, 3675..3731, 3985..4084, 6369..6493, 6582..6995		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75443	Strand	-
Start	2411	End	7526

Name	OJ990808_30.9C10.C12.o2.np	Method	AAT/NAP
Start	2414	End	7526
GI	6453908	Score	1533
Exons	2414..2494, 2612..2672, 2747..2811, 2911..3192, 3270..3344, 3453..3527, 3675..3731, 3985..4058, 4208..4397, 4545..4647, 4742..4812, 4941..4995, 5172..5275, 5360..5482, 6401..6493, 6564..6814, 7315..7526		
GI Descrip.	(AC011663) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75444	Strand	-
Start	11439	End	18024
Name	OJ990808_30.9C10.C12.o4.np	Method	AAT/NAP
Start	11439	End	18024
GI	4680183	Score	1192
Exons	11439..11542, 12657..13048, 13136..13177, 13643..15061, 17974..18024		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75444	Strand	-
Start	11439	End	18024
Name	OJ990808_30.9C10.C12.o4.gs	Method	GENSCAN
Start	11844	End	16403
GI	none	Score	.45
Exons	11844..12166, 12246..12291, 12390..13205, 13239..13886, 13905..14490, 14551..14743, 14864..15626, 15780..16403		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o4.tw	Method	TBLASTX:Wheat
Start	558	End	1187
GI	none	Score	128
Exons	558..746, 649..744, 668..751, 783..1040, 806..1039, 1131..1187, 1132..1176		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	585	End	1638
GI	none	Score	132
Exons	585..746, 649..744, 675..746, 747..1037, 783..1040, 812..1039, 1131..1229, 1131..1268, 1147..1293, 1163..1264, 1340..1465, 1348..1476, 1355..1480, 1570..1638		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o2.ts	Method	TBLASTX:Soybean
Start	672	End	1269
GI	5509682	Score	112
Exons	672..746, 673..744, 783..857, 812..1036, 812..1039, 900..1040, 1131..1262, 1132..1269		
GI Descrip.	2911072/emb_CAA17534_ 3.0e-40 (AL021960) putative protein [Arabidopsis thaliana]		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o5.tm	Method	TBLASTX:Maize
Start	2337	End	3051
GI	none	Score	72
Exons	2337..2459, 2349..2396, 2417..2458, 2465..2500, 2605..2670, 2606..2671, 2610..2675, 2612..2674, 2746..2805, 2746..2811, 2911..3051, 2911..3051		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	2609	End	3353
GI	none	Score	192
Exons	2609..2674, 2894..3196, 2911..3222, 3268..3345, 3270..3353		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	2930	End	3341
GI	none	Score	191
Exons	2930..3112, 2932..3180, 2932..3195, 2975..3193, 3270..3341		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o4.tm	Method	TBLASTX:Maize
Start	3052	End	3536
GI	none	Score	147
Exons	3052..3195, 3053..3196, 3270..3347, 3270..3347, 3450..3497, 3450..3536, 3454..3528		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	3684	End	4646
GI	none	Score	79
Exons	3684..3731, 3684..3731, 3975..4076, 3982..4077, 3983..4063, 4176..4397, 4186..4398, 4536..4616, 4539..4646, 4543..4644, 4544..4645		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o3.ts	Method	TBLASTX:Soybean
Start	4010	End	4997
GI	none	Score	44
Exons	4010..4075, 4185..4397, 4186..4398, 4204..4398, 4539..4649, 4543..4650, 4744..4818, 4744..4818, 4935..4997, 4938..4997		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-

Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o7.tm	Method	TBLASTX:Maize
Start	4738	End	5453
GI	none	Score	121
Exons	4738..4818, 4741..4845, 4935..5006, 4939..4992, 4941..4997, 5132..5284, 5171..5284, 5172..5288, 5334..5453, 5358..5444, 5360..5452		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o2.tc	Method	TBLASTX:Cress
Start	4744	End	6651
GI	none	Score	62
Exons	4744..4818, 4745..4822, 4935..5006, 5163..5279, 5164..5289, 5166..5279, 5174..5293, 5360..5482, 5370..5483, 5609..5653, 5754..5807, 6312..6431, 6374..6430, 6380..6493, 6435..6494, 6567..6650, 6571..6651		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o4.ts	Method	TBLASTX:Soybean
Start	5169	End	5485
GI	none	Score	63
Exons	5169..5288, 5171..5278, 5360..5485, 5361..5483, 5417..5485		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	9671	End	13197
GI	none	Score	350
Exons	9671..9772, 12741..13196, 12742..13197		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	11189	End	13844
GI	none	Score	157
Exons	11189..11206, 11224..11310, 13389..13625, 13399..13623, 13662..13844, 13663..13836		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o3.tw	Method	TBLASTX:Wheat
Start	12228	End	12626
GI	none	Score	173
Exons	12228..12626, 12316..12516, 12327..12626		

Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o6.tm	Method	TBLASTX:Maize
Start	12318	End	12683

GI	none	Score	96
Exons	12318..12683, 12319..12516		
Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o5.ts	Method	TBLASTX:Soybean
Start	12414	End	12650
GI	none	Score	69
Exons	12414..12650, 12424..12513		
Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	12711	End	13067
GI	none	Score	209
Exons	12711..13067, 12712..13005, 12765..13013		
Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o5.tw	Method	TBLASTX:Wheat
Start	14427	End	14825
GI	none	Score	69
Exons	14427..14825, 14527..14700, 14773..14811		
Seq. No.	36641	Seq. ID	OJ990808_30.9C10.C12
Gene No.	75445	Strand	-
Start	18576	End	19046
Name	OJ990808_30.9C10.C12.o5.gs	Method	GENSCAN
Start	18576	End	19046
GI	none	Score	.63
Exons	18576..18641, 18951..19046		
Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75446	Strand	+
Start	8605	End	9370
Name	OJ990808_30.9C10.C13.o3.gs	Method	GENSCAN
Start	8605	End	9370
GI	none	Score	.79
Exons	8605..8644, 9168..9370		
Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75447	Strand	+
Start	9660	End	15925
Name	OJ990808_30.9C10.C13.o4.gs	Method	GENSCAN
Start	9660	End	15703
GI	none	Score	.89
Exons	9660..9755, 10094..10736, 10837..11339, 11850..11969, 13209..13319, 13790..13815, 14059..14126, 14447..14560, 14656..14837, 14989..15057, 15357..15512, 15683..15703		
Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75447	Strand	+
Start	9660	End	15925
Name	OJ990808_30.9C10.C13.o4.gp	Method	AAT/GAP

Start	11879	End	14563
GI	none	Score	927
Exons	11879..11969, 12420..12485, 13209..13319, 13713..13789, 14059..14126, 14447..14563		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75447	Strand	+
Start	9660	End	15925
Name	OJ990808_30.9C10.C13.o5.gp	Method	AAT/GAP
Start	14711	End	15925
GI	LIB3434-010-P1-K1-F8	Score	985
Exons	14711..14837, 14989..15057, 15357..15512, 15721..15925		
GI Descrip.	'2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]'		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75448	Strand	-
Start	2789	End	6283
Name	OJ990808_30.9C10.C13.o2.gs	Method	GENSCAN
Start	2789	End	6199
GI	none	Score	.74
Exons	2789..3082, 3283..3398, 3518..3564, 4019..4119, 4337..4426, 4622..6199		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75448	Strand	-
Start	2789	End	6283
Name	OJ990808_30.9C10.C13.o1.np	Method	AAT/NAP
Start	2792	End	6199
GI	629807	Score	3671
Exons	2792..3082, 3322..3398, 3518..3564, 4019..4119, 4337..4426, 4622..6199		
GI Descrip.	VP1 protein - rice		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75448	Strand	-
Start	2789	End	6283
Name	OJ990808_30.9C10.C13.o1.gp	Method	AAT/GAP
Start	4005	End	4772
GI	72020_1.R1084	Score	585
Exons	4005..4119, 4337..4426, 4622..4772		
GI Descrip.	'391884/dbj|D16640|RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds'		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75448	Strand	-
Start	2789	End	6283
Name	OJ990808_30.9C10.C13.o2.gp	Method	AAT/GAP
Start	5549	End	5872
GI	5607328	Score	644
Exons	5549..5872		
GI Descrip.	586238/sp|P37398|VIV_ORYSA 2.0e-51 VIVIPAROUS PROTEIN HOMOLOG >gi_632294_pir__S48899 VP1 protein (OSVP1) - Oryza sativa >gi_391885_dbj_BAA04066_ (D16640) VP1 protein (OSVP1) [Oryza sativa]		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75448	Strand	-

Start	2789	End	6283
Name	OJ990808_30.9C10.C13.o3.gp	Method	AAT/GAP
Start	5962	End	6283
GI	5607329	Score	612
Exons	5962..6283		
GI Descrip.	391884/dbj|D16640|RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75449	Strand	-
Start	16543	End	21477
Name	OJ990808_30.9C10.C13.o4.tm	Method	TBLASTX:Maize
Start	2985	End	4427
GI	none	Score	70
Exons	2985..3053, 3060..3080, 3316..3402, 3317..3400, 3502..3567, 3512..3568, 3513..3569, 3994..4122, 4005..4118, 4018..4164, 4337..4426, 4338..4427		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75449	Strand	-
Start	16543	End	21477
Name	OJ990808_30.9C10.C13.o5.tm	Method	TBLASTX:Maize
Start	14063	End	14850
GI	none	Score	90
Exons	14063..14122, 14065..14127, 14065..14121, 14506..14559, 14647..14850, 14651..14836, 14697..14843		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75449	Strand	-
Start	16543	End	21477
Name	OJ990808_30.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	14982	End	15832
GI	none	Score	78
Exons	14982..15059, 14988..15059, 15341..15514, 15351..15515, 15353..15514, 15697..15789, 15719..15829, 15719..15832, 15720..15830		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75449	Strand	-
Start	16543	End	21477
Name	OJ990808_30.9C10.C13.o5.gs	Method	GENSCAN
Start	16543	End	21477
GI	none	Score	41
Exons	16543..16623, 16980..17111, 17320..17409, 19240..19280, 19583..19675, 20633..20813, 20909..21090, 21150..21477		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75449	Strand	-
Start	16543	End	21477
Name	OJ990808_30.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	16701	End	17898
GI	none	Score	43
Exons	16701..16748, 16713..16745, 16726..16851, 16727..16852, 16727..16852, 16728..16853, 16971..17126, 16981..17142, 17005..17112, 17320..17367, 17321..17365, 17437..17559, 17453..17560, 17453..17569, 17454..17570, 17454..17570, 17455..17574, 17695..17898, 17700..17888		

Seq. No.	36642	Seq. ID	OJ990808_30.9C10.C13
Gene No.	75449	Strand	-
Start	16543	End	21477
Name	OJ990808_30.9C10.C13.o3.tm	Method	TBLASTX:Maize
Start	19669	End	20965
GI	none	Score	41
Exons	19669..19695, 19777..19884, 19782..19886, 19782..19886, 20155..20235, 20155..20241, 20310..20390, 20310..20393, 20311..20397, 20664..20837, 20698..20814, 20705..20815, 20906..20965		

Seq. No.	36643	Seq. ID	OJ990808_30.9C10.C14
Gene No.	75450	Strand	+
Start	1	End	1650
Name	OJ990808_30.9C10.C14.o1.np	Method	AAT/NAP
Start	1	End	1650
GI	4581111	Score	46
Exons	1..55, 1402..1650		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	36643	Seq. ID	OJ990808_30.9C10.C14
Gene No.	75450	Strand	+
Start	1	End	1650
Name	OJ990808_30.9C10.C14.o1.gs	Method	GENSCAN
Start	101	End	1309
GI	none	Score	.75
Exons	101..334, 1232..1309		

Seq. No.	36643	Seq. ID	OJ990808_30.9C10.C14
Gene No.	75451	Strand	-
Start	1867	End	2071
Name	OJ990808_30.9C10.C14.o2.gs	Method	GENSCAN
Start	1867	End	2071
GI	none	Score	.6
Exons	1867..2071		

Seq. No.	36644	Seq. ID	OJ990808_30.9C10.C15
Gene No.	75452	Strand	-
Start	24	End	117
Name	OJ990808_30.9C10.C15.o1.gs	Method	GENSCAN
Start	24	End	117
GI	none	Score	.95
Exons	24..117		

Seq. No.	36645	Seq. ID	OJ990808_30.9C10.C16
Gene No.	75453	Strand	-
Start	1	End	454
Name	OJ990808_30.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	454
GI	4850384	Score	50
Exons	1..33, 285..454		
GI Descrip.	(AC007357) F3F19.3 [Arabidopsis thaliana]		

Seq. No.	36645	Seq. ID	OJ990808_30.9C10.C16
Gene No.	75453	Strand	-

Start	1	End	454
Name	OJ990808_30.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	139	End	434
GI	none	Score	118
Exons	139..246, 141..227, 305..409, 314..409, 315..410, 316..423, 327..434		

Seq. No.	36646	Seq. ID	OJ990808_30.9C10.C17
Gene No.	75454	Strand	-
Start	1	End	389
Name	OJ990808_30.9C10.C17.o1.np	Method	AAT/NAP
Start	1	End	389
GI	2498930	Score	326
Exons	1..161, 329..389		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36646	Seq. ID	OJ990808_30.9C10.C17
Gene No.	75454	Strand	-
Start	1	End	389
Name	OJ990808_30.9C10.C17.o1.gs	Method	GENSCAN
Start	70	End	388
GI	none	Score	.71
Exons	70..161, 329..388		

Seq. No.	36647	Seq. ID	OJ990808_36.9C20.C3
Gene No.	75455	Strand	-
Start	1	End	901
Name	OJ990808_36.9C20.C3.o1.gs	Method	GENSCAN
Start	1	End	774
GI	none	Score	.8
Exons	1..774		

Seq. No.	36647	Seq. ID	OJ990808_36.9C20.C3
Gene No.	75455	Strand	-
Start	1	End	901
Name	OJ990808_36.9C20.C3.o1.np	Method	AAT/NAP
Start	4	End	901
GI	6755654	Score	1582
Exons	4..901		
GI Descrip.	sprouty homolog 4 (Drosophila) gi|5917720|gb|AAD56007.1|AF176906_1 (AF176906) sprouty 4 [Mus musculus]		

Seq. No.	36648	Seq. ID	OJ990808_36.9C20.C4
Gene No.	75456	Strand	-
Start	439	End	523
Name	OJ990808_36.9C20.C4.o1.gs	Method	GENSCAN
Start	439	End	523
GI	none	Score	.41
Exons	439..523		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75457	Strand	+
Start	594	End	2199
Name	OJ990808_36.9C20.C5.o1.gs	Method	GENSCAN
Start	594	End	2199

GI	none	Score	.56
Exons	594..654, 1805..1956, 2167..2199		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75458	Strand	+
Start	4646	End	13900
Name	OJ990808_36.9C20.C5.o1.np	Method	AAT/NAP
Start	4646	End	5971
GI	4263522	Score	1078
Exons	4646..5971		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75458	Strand	+
Start	4646	End	13900
Name	OJ990808_36.9C20.C5.o3.gs	Method	GENSCAN
Start	5015	End	12210
GI	none	Score	.67
Exons	5015..5887, 7207..7329, 7587..7724, 8765..8840, 9401..9483, 10041..10174, 11290..11377, 11525..11679, 11868..12210		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75458	Strand	+
Start	4646	End	13900
Name	OJ990808_36.9C20.C5.o2.np	Method	AAT/NAP
Start	7204	End	13900
GI	4454484	Score	209
Exons	7204..7329, 7587..7856, 8323..8406, 8786..8840, 9401..9483, 10428..10478, 10936..11021, 11290..11377, 11525..11641, 11927..12034, 13682..13900		
GI Descrip.	(AC006234) putative diacylglycerol kinase [Arabidopsis thaliana]		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75459	Strand	+
Start	22157	End	27536
Name	OJ990808_36.9C20.C5.o4.np	Method	AAT/NAP
Start	22021	End	23974
GI	5091499	Score	131
Exons	22021..22067, 23753..23974		
GI Descrip.	(AB023482) Similar to Human mRNA for alpha 1 (III) collagen fragment (aa 892-1023).(X01655) [Oryza sativa]		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75459	Strand	+
Start	22157	End	27536
Name	OJ990808_36.9C20.C5.o5.gs	Method	GENSCAN
Start	22157	End	27536
GI	none	Score	.42
Exons	22157..22264, 22705..22837, 23222..23277, 23789..23933, 24073..24134, 24278..24383, 26491..26624, 27480..27536		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75460	Strand	+
Start	28570	End	28942
Name	OJ990808_36.9C20.C5.o4.gp	Method	AAT/GAP
Start	28570	End	28942
GI	1631400	Score	585

Exons	28570..28942		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75461	Strand	+
Start	35082	End	38853
Name	OJ990808_36.9C20.C5.o7.gs	Method	GENSCAN
Start	35082	End	38853
GI	none	Score	.67
Exons	35082..35194, 35419..35509, 36274..36392, 36607..37211, 37403..37657, 37746..37903, 38020..38099, 38232..38367, 38464..38613, 38734..38853		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75461	Strand	+
Start	35082	End	38853
Name	OJ990808_36.9C20.C5.o5.np	Method	AAT/NAP
Start	36471	End	38803
GI	3004564	Score	734
Exons	36471..36619, 37148..37211, 37403..37657, 37746..37903, 38020..38099, 38232..38367, 38464..38803		
GI Descrip.	(AC003673) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75461	Strand	+
Start	35082	End	38853
Name	OJ990808_36.9C20.C5.o5.gp	Method	AAT/GAP
Start	37092	End	38138
GI	uC-osflcyp009b12b1	Score	331
Exons	37092..37211, 37403..37473, 38108..38138		
GI Descrip.	'1708311/sp|Q08080|HS7S_SPIOL 1.0e-46 CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN >gi_170094 (M99565) 80 kDa heat shock protein [Spinacia oleracea]'		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75462	Strand	+
Start	40476	End	40912
Name	OJ990808_36.9C20.C5.o6.gp	Method	AAT/GAP
Start	40476	End	40912
GI	none	Score	834
Exons	40476..40912		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75463	Strand	-
Start	2445	End	4921
Name	OJ990808_36.9C20.C5.o2.gs	Method	GENSCAN
Start	2445	End	4921
GI	none	Score	.99
Exons	2445..2534, 3280..3424, 3564..3842, 3882..4921		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75464	Strand	-
Start	13167	End	13431
Name	OJ990808_36.9C20.C5.o2.gp	Method	AAT/GAP
Start	13167	End	13431
GI	2796676	Score	413
Exons	13167..13319, 13346..13431		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75465	Strand	-
Start	13745	End	14071
Name	OJ990808_36.9C20.C5.o3.gp	Method	AAT/GAP
Start	13745	End	14071
GI	none	Score	570
Exons	13745..14071		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75466	Strand	-
Start	16263	End	16685
Name	OJ990808_36.9C20.C5.o3.np	Method	AAT/NAP
Start	16263	End	16685
GI	5081739	Score	115
Exons	16263..16342, 16440..16685		
GI Descrip.	(AF148511) hermes [Mus musculus]		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75467	Strand	-
Start	28509	End	29697
Name	OJ990808_36.9C20.C5.o6.gs	Method	GENSCAN
Start	28509	End	29697
GI	none	Score	.74
Exons	28509..29005, 29471..29511, 29636..29697		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75468	Strand	-
Start	40773	End	42902
Name	OJ990808_36.9C20.C5.o8.gs	Method	GENSCAN
Start	40773	End	41750
GI	none	Score	.51
Exons	40773..41750		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75468	Strand	-
Start	40773	End	42902
Name	OJ990808_36.9C20.C5.o7.np	Method	AAT/NAP
Start	40844	End	42750
GI	3618318	Score	156
Exons	40844..40890, 41023..41192, 42718..42750		
GI Descrip.	(AB001887) zinc finger protein [Oryza sativa]		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75468	Strand	-
Start	40773	End	42902
Name	OJ990808_36.9C20.C5.o6.np	Method	AAT/NAP
Start	40979	End	42902
GI	3341723	Score	207
Exons	40979..41702, 42867..42902		
GI Descrip.	(AF052690) CONSTANS-like 1 protein [Raphanus sativus]		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75468	Strand	-
Start	40773	End	42902
Name	OJ990808_36.9C20.C5.o7.gp	Method	AAT/GAP
Start	41426	End	41860
GI	none	Score	866

Exons	41426..41860		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75469	Strand	-
Start	42913	End	43515
Name	OJ990808_36.9C20.C5.o9.gs	Method	GENSCAN
Start	42913	End	43515
GI	none	Score	.75
Exons	42913..43176, 43283..43305, 43365..43515		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o5.tc	Method	TBLASTX:Cress
Start	3981	End	10499
GI	none	Score	125
Exons	3981..4091, 7201..7332, 7203..7331, 7586..7636, 7587..7724, 7587..7742, 7588..7725, 7798..7893, 9390..9482, 9400..9486, 10425..10499		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o1.tc	Method	TBLASTX:Cress
Start	4646	End	5251
GI	none	Score	108
Exons	4646..4858, 4658..5131, 4664..4780, 4670..4825, 4708..5130, 4838..4909, 4868..5128, 5000..5227, 5129..5251		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o1.tm	Method	TBLASTX.Maize
Start	4655	End	5680
GI	none	Score	77
Exons	4655..4837, 4664..4837, 4699..4923, 4705..4836, 4742..4924, 4816..5139, 4838..5680, 4955..5164, 4966..5142, 4990..5128, 4978..5388, 5126..5221, 5452..5571		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o1.tw	Method	TBLASTX:Wheat
Start	4663	End	5275
GI	none	Score	176
Exons	4663..4908, 4670..4912, 4792..5274, [illegible] .5275		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o7.ts	Method	TBLASTX:Soybean
Start	4688	End	5128
GI	none	Score	207
Exons	4688..5071, 4715..4879, 4991..5128		
Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-

Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o1.ts	Method	TBLASTX:Soybean
Start	5134	End	5632
GI	none	Score	403
Exons	5134..5631, 5138..5632		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o2.tc	Method	TBLASTX:Cress
Start	5437	End	5974
GI	none	Score	186
Exons	5437..5646, 5438..5686, 5693..5974, 5717..5971, 5785..5973		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o4.ts	Method	TBLASTX:Soybean
Start	5687	End	5976
GI	none	Score	275
Exons	5687..5974, 5782..5976		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o6.tm	Method	TBLASTX:Maize
Start	5756	End	5979
GI	none	Score	269
Exons	5756..5974, 5788..5973, 5821..5979		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o3.tw	Method	TBLASTX:Wheat
Start	5792	End	5986
GI	none	Score	89
Exons	5792..5890, 5827..5889, 5884..5985, 5885..5986		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o8.tm	Method	TBLASTX:Maize
Start	7183	End	7725
GI	none	Score	150
Exons	7183..7332, 7204..7329, 7206..7331, 7586..7720, 7587..7724, 7587..7724, 7597..7725		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o5.ts	Method	TBLASTX:Soybean
Start	7586	End	7895
GI	none	Score	205
Exons	7586..7723, 7587..7724, 7587..7724, 7588..7725, 7798..7893, 7809..7895		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5

Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o10.tm	Method	TBLASTX:Maize
Start	8783	End	12079
GI	none	Score	66
Exons	8783..8842, 9390..9518, 9400..9498, 10425..10499, 10427..10498, 10939..11019, 11284..11388, 11288..11377, 11303..11416, 11519..11641, 11527..11637, 11900..12079, 11926..12078		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o6.tc	Method	TBLASTX:Cress
Start	11570	End	12076
GI	none	Score	111
Exons	11570..11641, 11572..11646, 11581..11643, 11900..12076, 11902..12072		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o2.tm	Method	TBLASTX:Maize
Start	13646	End	15296
GI	none	Score	56
Exons	13646..13681, 13646..13681, 13647..13682, 13651..13683, 13651..13683, 13745..13813, 13749..13814, 13750..13815, 13770..13844, 13772..13816, 13806..13853, 13808..13849, 13856..13897, 13856..13897, 13940..13966, 13941..13967, 13941..13967, 13966..14049, 13967..14050, 13968..14048, 13969..14061, 14154..14255, 14155..14265, 14158..14247, 14317..14388, 14319..14387, 14498..14593, 14499..14594, 14500..14592, 14503..14601, 15221..15286, 15222..15296		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o3.ts	Method	TBLASTX:Soybean
Start	15486	End	16625
GI	none	Score	74
Exons	15486..15560, 16265..16348, 16266..16364, 16428..16625, 16480..16620		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o4.tc	Method	TBLASTX:Cress
Start	15486	End	16625
GI	none	Score	69
Exons	15486..15605, 15487..15603, 16265..16351, 16266..16331, 16428..16625, 16480..16620		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o3.tm	Method	TBLASTX:Maize
Start	16245	End	16628
GI	none	Score	119

Exons 16245..16343, 16246..16332, 16265..16351, 16268..16351, 16428..16628, 16480..16620, 16497..16622

Seq. No. 36649 Seq. ID OJ990808_36.9C20.C5
Gene No. 75470 Strand -
Start 45862 End 46044
Name OJ990808_36.9C20.C5.o7.tm Method TBLASTX:Maize
Start 31611 End 32034
GI none Score 188
Exons 31611..31820, 31615..31839, 31845..31934, 31977..32033, 31978..32034

Seq. No. 36649 Seq. ID OJ990808_36.9C20.C5
Gene No. 75470 Strand -
Start 45862 End 46044
Name OJ990808_36.9C20.C5.o2.tw Method TBLASTX:Wheat
Start 31765 End 32129
GI none Score 57
Exons 31765..31839, 31851..31991, 31957..32127, 31980..32129

Seq. No. 36649 Seq. ID OJ990808_36.9C20.C5
Gene No. 75470 Strand -
Start 45862 End 46044
Name OJ990808_36.9C20.C5.o9.tm Method TBLASTX:Maize
Start 35081 End 35527
GI none Score 212
Exons 35081..35254, 35082..35255, 35083..35268, 35417..35494, 35418..35480, 35474..35527

Seq. No. 36649 Seq. ID OJ990808_36.9C20.C5
Gene No. 75470 Strand -
Start 45862 End 46044
Name OJ990808_36.9C20.C5.o2.ts Method TBLASTX:Soybean
Start 37408 End 37909
GI none Score 80
Exons 37408..37608, 37413..37607, 37413..37646, 37414..37656, 37762..37899, 37763..37909

Seq. No. 36649 Seq. ID OJ990808_36.9C20.C5
Gene No. 75470 Strand -
Start 45862 End 46044
Name OJ990808_36.9C20.C5.o3.tc Method TBLASTX:Cress
Start 37548 End 38340
GI none Score 88
Exons 37548..37691, 37549..37665, 37751..37909, 37762..37881, 38017..38100, 38019..38102, 38232..38321, 38233..38340

Seq. No. 36649 Seq. ID OJ990808_36.9C20.C5
Gene No. 75470 Strand -
Start 45862 End 46044
Name OJ990808_36.9C20.C5.o5.tm Method TBLASTX:Maize
Start 37769 End 38340
GI none Score 182
Exons 37769..37909, 37769..37909, 38016..38102, 38017..38100, 38232..38339, 38236..38340

Seq. No. 36649 Seq. ID OJ990808_36.9C20.C5

Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o6.ts	Method	TBLASTX:Soybean
Start	38044	End	38616
GI	none	Score	91
Exons	38044..38100, 38233..38394, 38235..38366, 38482..38616		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o4.tm	Method	TBLASTX:Maize
Start	38518	End	38976
GI	none	Score	162
Exons	38518..38643, 38522..38614, 38544..38621, 38735..38839, 38749..38847, 38753..38842, 38929..38976		

Seq. No.	36649	Seq. ID	OJ990808_36.9C20.C5
Gene No.	75470	Strand	-
Start	45862	End	46044
Name	OJ990808_36.9C20.C5.o10.gs	Method	GENSCAN
Start	45862	End	46044
GI	none	Score	.97
Exons	45862..46044		

Seq. No.	36650	Seq. ID	OJ990808_36.9C20.C6
Gene No.	75471	Strand	-
Start	1389	End	1436
Name	OJ990808_36.9C20.C6.o1.gs	Method	GENSCAN
Start	1389	End	1436
GI	none	Score	.7
Exons	1389..1436		

Seq. No.	36651	Seq. ID	OJ990808_36.9C20.C7
Gene No.	75472	Strand	+
Start	289	End	1276
Name	OJ990808_36.9C20.C7.o1.gs	Method	GENSCAN
Start	289	End	1276
GI	none	Score	.42
Exons	289..429, 1247..1276		

Seq. No.	36651	Seq. ID	OJ990808_36.9C20.C7
Gene No.	75473	Strand	-
Start	4965	End	7478
Name	OJ990808_36.9C20.C7.o1.gp	Method	AAT/GAP
Start	4965	End	5723
GI	none	Score	804
Exons	4965..5312, 5586..5723		

Seq. No.	36651	Seq. ID	OJ990808_36.9C20.C7
Gene No.	75473	Strand	-
Start	4965	End	7478
Name	OJ990808_36.9C20.C7.o1.tm	Method	TBLASTX:Maize
Start	4993	End	6863
GI	none	Score	40
Exons	4993..5028, 5051..5155, 5052..5156, 5053..5157, 5155..5190, 5155..5190, 5156..5191, 5204..5329, 5585..5719, 5585..5719, 5586..5723, 5586..5720, 5587..5727, 6128..6172, 6130..6189,		

6131..6172, 6138..6188, 6750..6863, 6750..6863

Seq. No.	36651	Seq. ID	OJ990808_36.9C20.C7
Gene No.	75473	Strand	-
Start	4965	End	7478
Name	OJ990808_36.9C20.C7.o1.np	Method	AAT/NAP
Start	5282	End	7478
GI	728882	Score	392
Exons	5282..5312, 5586..5716, 6139..6186, 6750..6867, 7419..7478		
GI Descrip.	ADP-RIBOSYLATION FACTOR 3 gi|541846|pir||S41938 ADP-ribosylation factor 3 - Arabidopsis thaliana gi|453191|emb|CAA54564| (X77385) ADP-ribosylation factor 3 [Arabidopsis thaliana]		

Seq. No.	36651	Seq. ID	OJ990808_36.9C20.C7
Gene No.	75473	Strand	-
Start	4965	End	7478
Name	OJ990808_36.9C20.C7.o3.gs	Method	GENSCAN
Start	5455	End	6861
GI	none	Score	.7
Exons	5455..5488, 5586..5716, 6139..6186, 6750..6861		

Seq. No.	36651	Seq. ID	OJ990808_36.9C20.C7
Gene No.	75473	Strand	-
Start	4965	End	7478
Name	OJ990808_36.9C20.C7.o1.tc	Method	TBLASTX:Cress
Start	5583	End	6864
GI	none	Score	79
Exons	5583..5660, 5584..5721, 5584..5718, 5585..5719, 5586..5723, 6130..6189, 6747..6863, 6748..6864, 6750..6863		

Seq. No.	36651	Seq. ID	OJ990808_36.9C20.C7
Gene No.	75473	Strand	-
Start	4965	End	7478
Name	OJ990808_36.9C20.C7.o1.ts	Method	TBLASTX:Soybean
Start	5584	End	6863
GI	none	Score	106
Exons	5584..5721, 5585..5719, 5586..5744, 5598..5720, 6130..6189, 6750..6863, 6750..6863		

Seq. No.	36651	Seq. ID	OJ990808_36.9C20.C7
Gene No.	75473	Strand	-
Start	4965	End	7478
Name	OJ990808_36.9C20.C7.o2.gp	Method	AAT/GAP
Start	6547	End	6860
GI	LIB3432-050-P1-K1-D7	Score	602
Exons	6547..6860		
GI Descrip.	'728882/sp|P40940|ARF3_ARATH 4.0e-11 ADP-RIBOSYLATION FACTOR 3 >gi_541846_pir__S41938 ADP-ribosylation factor 3 - Arabidopsis thaliana >gi_453191_emb_CAA54564_ (X77385) ADP-ribosylation factor 3 [Arabidopsis thaliana]'		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75474	Strand	+
Start	27	End	589
Name	OJ990808_36.9C20.C8.o1.gs	Method	GENSCAN
Start	27	End	589
GI	none	Score	.95

Exons	27..77, 156..296, 545..589		
Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75475	Strand	+
Start	5445	End	11596
Name	OJ990808_36.9C20.C8.o3.gs	Method	GENSCAN
Start	5445	End	6421
GI	none	Score	.7
Exons	5445..5450, 6287..6421		
Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75475	Strand	+
Start	5445	End	11596
Name	OJ990808_36.9C20.C8.o1.np	Method	AAT/NAP
Start	5568	End	11346
GI	3914501	Score	1152
Exons	5568..5607, 7570..7876, 9256..9395, 10078..10251, 10356..10592, 11242..11346		
GI Descrip.	ASPARTATE CARBAMOYLTRANSFERASE 3 PRECURSOR (ASPARTATE TRANSCARBAMYLASE 3) (ATCASE 3) gi|609344 (U05293) aspartate carbamoyltransferase [Pisum sativum]		
Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75475	Strand	+
Start	5445	End	11596
Name	OJ990808_36.9C20.C8.o4.gs	Method	GENSCAN
Start	7444	End	11349
GI	none	Score	.98
Exons	7444..7876, 9256..9395, 10078..10251, 10356..10592, 11242..11349		
Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75475	Strand	+
Start	5445	End	11596
Name	OJ990808_36.9C20.C8.o2.gp	Method	AAT/GAP
Start	9265	End	11596
GI	11409_1.R1084	Score	1705
Exons	9265..9395, 10078..10251, 10356..10592, 11242..11596		
GI Descrip.	'1085650/pir||S47625 1.0e-103 aspartate transcarbomoylase - wheat >gi_688218_bbs_156442 aspartate carbamoyltransferase {C-terminal} {EC 2.1.3.2} [Triticum aestivum=wheat, avalon, seedlings, Peptide Partial, 233 aa]'		
Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75476	Strand	+
Start	12646	End	12864
Name	OJ990808_36.9C20.C8.o3.gp	Method	AAT/GAP
Start	12646	End	12864
GI	none	Score	426
Exons	12646..12864		
Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75477	Strand	-
Start	425	End	3636
Name	OJ990808_36.9C20.C8.o1.gp	Method	AAT/GAP
Start	425	End	1142
GI	4715108	Score	1418
Exons	425..1142		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75477	Strand	-
Start	425	End	3636
Name	OJ990808_36.9C20.C8.o2.gs	Method	GENSCAN
Start	1027	End	3636
GI	none	Score	.51
Exons	1027..1181, 1281..1319, 1414..1603, 3634..3636		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75478	Strand	-
Start	12814	End	14063
Name	OJ990808_36.9C20.C8.o5.gs	Method	GENSCAN
Start	12814	End	14063
GI	none	Score	.96
Exons	12814..13498, 13589..13718, 13928..14063		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75478	Strand	-
Start	12814	End	14063
Name	OJ990808_36.9C20.C8.o2.np	Method	AAT/NAP
Start	13209	End	14063
GI	3941448	Score	561
Exons	13209..13369, 13397..13498, 13589..13718, 13928..14063		
GI Descrip.	(AF062878) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75479	Strand	-
Start	14595	End	16062
Name	OJ990808_36.9C20.C8.o6.gs	Method	GENSCAN
Start	14595	End	16062
GI	none	Score	.7
Exons	14595..14728, 14788..14874, 15999..16062		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o3.tm	Method	TBLASTX:Maize
Start	1116	End	1666
GI	none	Score	91
Exons	1116..1178, 1117..1179, 1117..1179, 1118..1180, 1121..1180, 1279..1317, 1280..1315, 1281..1319, 1285..1320, 1415..1510, 1419..1517, 1436..1519, 1646..1666		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o3.tc	Method	TBLASTX:Cress
Start	1117	End	1517
GI	none	Score	93
Exons	1117..1179, 1118..1180, 1279..1317, 1280..1318, 1415..1510, 1416..1517		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o4.ts	Method	TBLASTX:Soybean

Start	1117	End	1517
GI	none	Score	97
Exons	1117..1179, 1118..1180, 1279..1317, 1280..1318, 1415..1510, 1416..1517		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o1.tc	Method	TBLASTX:Cress
Start	7603	End	11363
GI	none	Score	93
Exons	7603..7683, 7608..7673, 7713..7874, 7720..7875, 9248..9394, 9250..9396, 9255..9404, 10048..10251, 10074..10256, 10075..10251, 10352..10570, 10356..10598, 10390..10611, 10390..10572, 11239..11343, 11241..11363		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o3.ts	Method	TBLASTX:Soybean
Start	7603	End	9317
GI	none	Score	101
Exons	7603..7683, 7608..7694, 7710..7874, 7720..7875, 9248..9310, 9255..9317		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o1.tm	Method	TBLASTX:Maize
Start	7713	End	10495
GI	none	Score	92
Exons	7713..7772, 7720..7773, 7773..7874, 7774..7875, 9255..9404, 9255..9395, 10075..10251, 10075..10251, 10077..10253, 10077..10256, 10356..10385, 10374..10469, 10383..10469, 10384..10470, 10463..10495, 10464..10493		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o1.ts	Method	TBLASTX:Soybean
Start	10204	End	11345
GI	none	Score	70
Exons	10204..10251, 10204..10251, 10352..10570, 10354..10593, 10356..10598, 11217..11345, 11239..11343		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o2.tm	Method	TBLASTX:Maize
Start	13400	End	14063
GI	none	Score	103
Exons	13400..13501, 13408..13509, 13432..13509, 13579..13719, 13588..13677, 13628..13699, 13700..13720, 13916..14047, 13929..14063, 13930..14055		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-

Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o2.tc	Method	TBLASTX:Cress
Start	13414	End	14075
GI	none	Score	43
Exons	13414..13509, 13415..13501, 13432..13509, 13579..13719, 13628..13720, 13926..14063, 13926..14075		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o2.ts	Method	TBLASTX:Soybean
Start	13415	End	14123
GI	none	Score	92
Exons	13415..13501, 13423..13509, 13432..13509, 13579..13746, 13628..13723, 13920..14123, 13926..14114		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o1.tw	Method	TBLASTX:Wheat
Start	13432	End	14076
GI	none	Score	95
Exons	13432..13500, 13432..13500, 13579..13719, 13588..13677, 13628..13720, 13921..14055, 13926..14063, 13926..14063, 13927..14076		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o3.np	Method	AAT/NAP
Start	16765	End	17496
GI	6069646	Score	55
Exons	16765..16945, 17460..17496		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36652	Seq. ID	OJ990808_36.9C20.C8
Gene No.	75480	Strand	-
Start	16769	End	17496
Name	OJ990808_36.9C20.C8.o7.gs	Method	GENSCAN
Start	16769	End	16956
GI	none	Score	87
Exons	16769..16956		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75481	Strand	+
Start	7936	End	8249
Name	OJ990808_36.9C20.C9.o3.gp	Method	AAT/GAP
Start	7936	End	8249
GI	86158_1.R1084	Score	384
Exons	7936..8064, 8089..8249		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75481	Strand	+
Start	7936	End	8249
Name	OJ990808_36.9C20.C9.o2.gp	Method	AAT/GAP
Start	7937	End	8249
GI	86158_1.R1084	Score	387
Exons	7937..8064, 8089..8249		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75482	Strand	+
Start	8636	End	9090
Name	OJ990808_36.9C20.C9.o4.gp	Method	AAT/GAP
Start	8636	End	9090
GI	36280_1.R1084	Score	870
Exons	8636..9090		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75483	Strand	+
Start	10784	End	11219
Name	OJ990808_36.9C20.C9.o6.gp	Method	AAT/GAP
Start	10784	End	11219
GI	uC-osflM2020118f01a1	Score	821
Exons	10784..11219		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75484	Strand	+
Start	13277	End	13590
Name	OJ990808_36.9C20.C9.o8.gp	Method	AAT/GAP
Start	13277	End	13589
GI	86158_1.R1084	Score	391
Exons	13277..13405, 13430..13589		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75484	Strand	+
Start	13277	End	13590
Name	OJ990808_36.9C20.C9.o7.gp	Method	AAT/GAP
Start	13278	End	13590
GI	86158_1.R1084	Score	384
Exons	13278..13405, 13430..13590		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75485	Strand	-
Start	4918	End	6159

Name	OJ990808_36.9C20.C9.o1.gp	Method	AAT/GAP
Start	4229	End	4339
GI	uC-osflcyp097b05b1	Score	164
Exons	4229..4339		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75485	Strand	-
Start	4918	End	6159
Name	OJ990808_36.9C20.C9.o1.gs	Method	GENSCAN
Start	4918	End	6159
GI	none	Score	.54
Exons	4918..5030, 5194..5283, 6108..6159		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75486	Strand	-
Start	7024	End	15138
Name	OJ990808_36.9C20.C9.o2.gs	Method	GENSCAN
Start	7024	End	15138
GI	none	Score	.74
Exons	7024..7411, 7827..7855, 8433..13084, 13590..15138		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75486	Strand	-
Start	7024	End	15138
Name	OJ990808_36.9C20.C9.o1.np	Method	AAT/NAP
Start	8261	End	13064
GI	5295971	Score	8136
Exons	8261..13064		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75486	Strand	-
Start	7024	End	15138
Name	OJ990808_36.9C20.C9.o5.gp	Method	AAT/GAP
Start	10420	End	10775
GI	uC-osflcyp139c12a1	Score	589
Exons	10420..10775		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75486	Strand	-
Start	7024	End	15138
Name	OJ990808_36.9C20.C9.o2.np	Method	AAT/NAP
Start	12294	End	14574
GI	5454208	Score	524

Exons	12294..12345, 13637..14574		
GI Descrip.	(AC005698) T3P18.22 [Arabidopsis thaliana]		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75486	Strand	-
Start	7024	End	15138
Name	OJ990808_36.9C20.C9.o3.np	Method	AAT/NAP
Start	12867	End	14531
GI	6682243	Score	229
Exons	12867..12917, 13699..13920, 14023..14531		
GI Descrip.	(AC016661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o2.ts	Method	TBLASTX:Soybean
Start	7114	End	14859
GI	none	Score	90
Exons	7114..7881, 7153..7776, 7159..7464, 7324..7887, 7525..7884, 7639..7893, 7640..7891, 7643..7888, 7661..7882, 7664..7873, 7666..7827, 7684..7857, 7789..7863, 13603..14115, 13615..13806, 13624..13917, 13633..13653, 13660..14439, 13682..13921, 13684..14139, 13742..13873, 13786..14529, 13885..14529, 13978..14529, 13978..14178, 14068..14157, 14075..14449, 14185..14529, 14186..14530, 14201..14530, 14224..14406, 14323..14493, 14524..14673, 14542..14844, 14542..14640, 14674..14859		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o4.tm	Method	TBLASTX:Maize
Start	7159	End	14544
GI	none	Score	69
Exons	7159..7647, 7228..7746, 7232..7438, 7238..7456, 7348..7851, 7474..7893, 7631..7858, 7663..7860, 7768..7881, 13597..13776, 13603..14085, 13640..13900, 13790..14302, 13792..14301, 13897..14406, 14002..14505, 14107..14544, 14125..14355, 14335..14487		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o2.tc	Method	TBLASTX:Cress
Start	7213	End	14730
GI	none	Score	53
Exons	7213..7443, 7288..7497, 7321..7671, 7379..7549, 7381..7626, 7516..7713, 7525..7881, 7616..7696, 7618..7872, 7627..7830, 7652..7873, 7696..7890, 7727..7870, 13588..13848, 13597..13914, 13604..13903, 13645..13842, 13658..13825, 13660..14022, 13697..14011, 13720..13947, 13747..14127, 13748..14152, 13837..14025, 13838..14026, 13843..14220, 13928..14161, 13945..14160, 13975..14337, 14012..14242, 14014..14256, 14071..14442, 14074..14247, 14087..14227, 14170..14382, 14185..14529, 14197..14526, 14210..14368, 14272..14490, 14272..14532, 14284..14532, 14344..14538, 14350..14529, 14395..14538, 14542..14661, 14554..14640, 14572..14730		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o4.ts	Method	TBLASTX:Soybean
Start	8285	End	8936
GI	none	Score	120
Exons	8285..8473, 8574..8762, 8602..8763, 8775..8936		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o1.tc	Method	TBLASTX:Cress
Start	8294	End	8957
GI	none	Score	80
Exons	8294..8476, 8298..8483, 8580..8660, 8584..8661, 8670..8957, 8671..8763, 8785..8895		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o5.tm	Method	TBLASTX:Maize
Start	8295	End	8685
GI	none	Score	206
Exons	8295..8492, 8297..8476, 8473..8520, 8473..8682, 8475..8684, 8480..8680, 8578..8685		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o4.tw	Method	TBLASTX:Wheat
Start	8324	End	8744
GI	none	Score	47
Exons	8324..8476, 8337..8453, 8463..8519, 8574..8744, 8584..8661		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o9.tm	Method	TBLASTX:Maize
Start	8691	End	8870
GI	none	Score	120
Exons	8691..8870, 8692..8868		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o5.tw	Method	TBLASTX:Wheat
Start	8778	End	9089
GI	none	Score	64
Exons	8778..8957, 8982..9089		

Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o3.tm	Method	TBLASTX:Maize
Start	8872	End	9263
GI	none	Score	459

Exons	8872..9261, 8874..9263, 8874..9263		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o1.tw	Method	TBLASTX:Wheat
Start	9090	End	9645
GI	none	Score	80
Exons	9090..9314, 9300..9644, 9324..9491, 9556..9645		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o3.ts	Method	TBLASTX:Soybean
Start	9315	End	9812
GI	5509260	Score	130
Exons	9315..9812, 9334..9492, 9556..9732		
GI Descrip.	-		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o4.tc	Method	TBLASTX:Cress
Start	9426	End	9690
GI	none	Score	91
Exons	9426..9689, 9559..9690		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o6.tm	Method	TBLASTX:Maize
Start	9465	End	9761
GI	none	Score	181
Exons	9465..9761, 9466..9735		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o1.ts	Method	TBLASTX:Soybean
Start	10263	End	10742
GI	none	Score	66
Exons	10263..10409, 10434..10742, 10446..10706, 10447..10737		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o3.tc	Method	TBLASTX:Cress
Start	10287	End	10727
GI	none	Score	60
Exons	10287..10409, 10431..10727, 10441..10587, 10645..10677		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o2.tm	Method	TBLASTX:Maize
Start	10347	End	10773
GI	none	Score	530

Exons	10347..10742, 10347..10769, 10348..10773		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o3.tw	Method	TBLASTX:Wheat
Start	10425	End	10976
GI	none	Score	42
Exons	10425..10505, 10438..10509, 10512..10778, 10612..10761, 10836..10976		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o5.ts	Method	TBLASTX:Soybean
Start	10836	End	11111
GI	none	Score	194
Exons	10836..11111, 10935..11015		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o2.tw	Method	TBLASTX:Wheat
Start	11049	End	11502
GI	none	Score	57
Exons	11049..11141, 11049..11129, 11121..11498, 11136..11501, 11197..11502		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o8.tm	Method	TBLASTX:Maize
Start	11172	End	11412
GI	none	Score	262
Exons	11172..11411, 11173..11412		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o1.tm	Method	TBLASTX:Maize
Start	11427	End	12146
GI	none	Score	413
Exons	11427..11852, 11427..11792, 11528..11851, 11857..11889, 11859..11954, 11871..12146, 11872..12129		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o7.tm	Method	TBLASTX:Maize
Start	12381	End	12672
GI	none	Score	215
Exons	12381..12602, 12381..12671, 12457..12672		
Seq. No.	36653	Seq. ID	OJ990808_36.9C20.C9
Gene No.	75487	Strand	-
Start	15944	End	16613
Name	OJ990808_36.9C20.C9.o3.gs	Method	GENSCAN

Start	15944	End	16613
GI	none	Score	.61
Exons	15944..16025, 16079..16166, 16583..16613		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75488	Strand	+
Start	9203	End	13585
Name	OJ990808_36.9C20.C10.o3.gs	Method	GENSCAN
Start	9203	End	13585
GI	none	Score	.45
Exons	9203..9260, 9546..9646, 10166..10262, 10579..10893, 11379..11635, 13131..13343, 13430..13585		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75489	Strand	-
Start	4042	End	7321
Name	OJ990808_36.9C20.C10.o1.np	Method	AAT/NAP
Start	4025	End	7321
GI	2130082	Score	1691
Exons	4025..4391, 4628..7321		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133) receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75489	Strand	-
Start	4042	End	7321
Name	OJ990808_36.9C20.C10.o2.gs	Method	GENSCAN
Start	4042	End	7312
GI	none	Score	.51
Exons	4042..4391, 4628..6085, 6229..7312		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75490	Strand	-
Start	8549	End	8998
Name	OJ990808_36.9C20.C10.o1.ts	Method	TBLASTX:Soybean
Start	4219	End	5220
GI	none	Score	84
Exons	4219..4404, 4283..4402, 4704..4868, 4708..4869, 4713..4883, 4908..5105, 4915..5103, 5128..5220, 5130..5219		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75490	Strand	-
Start	8549	End	8998
Name	OJ990808_36.9C20.C10.o1.tc	Method	TBLASTX:Cress
Start	4285	End	7150
GI	none	Score	67
Exons	4285..4404, 4629..4679, 4686..4883, 4702..4851, 5001..5120, 5565..5789, 5565..5789, 5565..5789, 5568..5789, 5568..5693, 5568..5789, 5568..5777, 5568..5750, 5568..5762, 5568..5789, 5568..5789, 5568..5789, 5571..5789, 5571..5789, 5619..5768, 5638..5826, 5641..5823, 5700..5789, 5755..5811, 5838..6122, 5850..6122, 5850..6122, 5850..6182, 5850..6125, 5850..6122, 5850..6122, 5856..6113, 5859..6122, 5862..6122, 5913..6134, 5928..6122, 6123..6191, 6123..6182, 6209..6277, 6218..6286,		

6275..6478, 6278..6475, 6281..6499, 6299..6475, 6308..6472,
6323..6475, 6339..6476, 6512..6718, 6515..7081, 6515..7078,
6515..6997, 6516..6563, 6518..7069, 6527..6946, 6590..6727,
6602..7069, 6659..7069, 6749..7078, 6752..7078, 6753..7007,
6758..7084, 6777..6998, 6812..7072, 6819..6902, 6876..7007,
7097..7150

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75490	Strand	-
Start	8549	End	8998
Name	OJ990808_36.9C20.C10.o1.tm	Method	TBLASTX:Maize
Start	4695	End	5078
GI	none	Score	120
Exons	4695..4874, 4702..4869, 4890..5063, 4890..5078, 4906..5073		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75490	Strand	-
Start	8549	End	8998
Name	OJ990808_36.9C20.C10.o2.tm	Method	TBLASTX:Maize
Start	5565	End	7081
GI	none	Score	61
Exons	5565..5789, 5568..5789, 5568..5696, 5571..5789, 5850..6113, 5850..6179, 5850..6122, 5850..6122, 5854..6024, 5880..6122, 5905..6024, 6061..6108, 6117..6215, 6123..6170, 6123..6182, 6125..6172, 6127..6171, 6275..6475, 6281..6475, 6281..6475, 6381..6476, 6515..7081, 6525..6734, 6527..6946, 6548..7069, 6753..6998, 6753..7007, 6833..7078, 6936..7043		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75490	Strand	-
Start	8549	End	8998
Name	OJ990808_36.9C20.C10.o2.ts	Method	TBLASTX:Soybean
Start	5568	End	7081
GI	none	Score	84
Exons	5568..5789, 5568..5771, 5586..5789, 5641..5796, 5689..5823, 5806..5985, 5838..6059, 5850..6125, 5850..6122, 5850..6122, 5880..6122, 5952..6125, 6515..6868, 6515..6805, 6518..6934, 6548..7015, 6620..7078, 6686..7069, 6876..7043, 6905..7081		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75490	Strand	-
Start	8549	End	8998
Name	OJ990808_36.9C20.C10.o2.tw	Method	TBLASTX:Wheat
Start	5568	End	7195
GI	none	Score	59
Exons	5568..5780, 5571..5759, 5583..5789, 5850..5987, 5874..6128, 6947..7081, 6959..7042, 7166..7195		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10
Gene No.	75490	Strand	-
Start	8549	End	8998
Name	OJ990808_36.9C20.C10.o1.tw	Method	TBLASTX:Wheat
Start	6161	End	6934
GI	none	Score	100
Exons	6161..6550, 6515..6637, 6710..6934		

Seq. No.	36654	Seq. ID	OJ990808_36.9C20.C10

Gene No.	75490	Strand	-
Start	8549	End	8998
Name	OJ990808_36.9C20.C10.o1.gp	Method	AAT/GAP
Start	8549	End	8998
GI	5866840	Score	821
Exons	8549..8998		

Seq. No.	36655	Seq. ID	OJ990808_36.9C20.C11
Gene No.	75491	Strand	+
Start	69	End	2805
Name	OJ990808_36.9C20.C11.o1.gs	Method	GENSCAN
Start	69	End	2805
GI	none	Score	.87
Exons	69..182, 684..753, 2143..2298, 2475..2655, 2696..2805		

Seq. No.	36655	Seq. ID	OJ990808_36.9C20.C11
Gene No.	75492	Strand	-
Start	1160	End	5245
Name	OJ990808_36.9C20.C11.o1.np	Method	AAT/NAP
Start	1160	End	5245
GI	6522541	Score	597
Exons	1160..1192, 3618..3689, 3737..5245		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	36655	Seq. ID	OJ990808_36.9C20.C11
Gene No.	75492	Strand	-
Start	1160	End	5245
Name	OJ990808_36.9C20.C11.o1.tc	Method	TBLASTX:Cress
Start	3550	End	5229
GI	none	Score	66
Exons	3550..3699, 3550..3705, 3622..3705, 3744..3872, 3765..3872, 3783..3872, 3786..4118, 3786..3872, 3786..4061, 3790..4065, 3790..3951, 3795..3872, 3795..4058, 3796..3951, 3849..4070, 3927..4058, 3927..4049, 3930..4058, 4059..4127, 4131..4220, 4155..4223, 4218..4415, 4218..4445, 4218..4412, 4245..4412, 4245..4409, 4260..4412, 4276..4413, 4449..4595, 4452..4571, 4452..4601, 4453..4500, 4455..4598, 4464..4598, 4464..4595, 4592..4633, 4648..4824, 4654..4830, 4769..5008, 4772..5014, 4772..5005, 4796..5014, 4796..5014, 4796..5005, 4797..4907, 4811..5005, 4823..5005, 4826..5005, 5033..5086, 5128..5229		

Seq. No.	36655	Seq. ID	OJ990808_36.9C20.C11
Gene No.	75492	Strand	-
Start	1160	End	5245
Name	OJ990808_36.9C20.C11.o1.ts	Method	TBLASTX:Soybean
Start	3795	End	5230
GI	none	Score	67
Exons	3795..4058, 3933..4061, 4464..4562, 4772..5035, 5033..5062, 5102..5230		

Seq. No.	36655	Seq. ID	OJ990808_36.9C20.C11
Gene No.	75492	Strand	-
Start	1160	End	5245
Name	OJ990808_36.9C20.C11.o1.tw	Method	TBLASTX:Wheat
Start	4083	End	4574
GI	none	Score	83
Exons	4083..4487, 4452..4574		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75493	Strand	+
Start	80	End	1589
Name	OJ990808_36.9C20.C12.o1.gs	Method	GENSCAN
Start	80	End	1589
GI	none	Score	.54
Exons	80..152, 466..671, 930..1027, 1370..1589		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75494	Strand	-
Start	3645	End	6907
Name	OJ990808_36.9C20.C12.o1.np	Method	AAT/NAP
Start	3645	End	6907
GI	6522540	Score	1600
Exons	3645..3935, 4222..6907		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75495	Strand	-
Start	11050	End	11863
Name	OJ990808_36.9C20.C12.o3.tm	Method	TBLASTX:Maize
Start	270	End	755
GI	none	Score	37
Exons	270..359, 303..755, 460..615		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75495	Strand	-
Start	11050	End	11863
Name	OJ990808_36.9C20.C12.o1.ts	Method	TBLASTX:Soybean
Start	3865	End	11854
GI	none	Score	81
Exons	3865..4014, 3908..4003, 4298..4462, 4299..4445, 4502..4699, 4509..4700, 4722..4814, 11216..11422, 11720..11854, 11724..11852		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75495	Strand	-
Start	11050	End	11863
Name	OJ990808_36.9C20.C12.o1.tc	Method	TBLASTX:Cress
Start	3904	End	11863
GI	none	Score	47
Exons	3904..4014, 4223..4273, 4280..4447, 4595..4714, 5027..5416, 5036..5419, 5084..5416, 5090..5416, 5090..5275, 5090..5287, 5159..5416, 5162..5416, 5162..5356, 5216..5419, 5235..5396, 5235..5417, 5289..5411, 5303..5383, 5426..5791, 5426..5779, 5426..5779, 5426..5725, 5426..5716, 5444..5788, 5444..5656, 5444..5794, 5444..5620, 5445..5723, 5448..5609, 5454..5609, 5454..5609, 5456..5788, 5513..5788, 5574..5768, 5651..5788, 5676..5780, 5810..5884, 5876..6073, 5889..6062, 5897..6109, 5900..6073, 5900..6073, 5906..6076, 5906..6070, 5921..6106, 5937..6074, 6090..6161, 6113..6316, 6113..6676, 6113..6595, 6113..6232, 6125..6667, 6125..6544, 6128..6682, 6257..6682, 6347..6676, 6351..6593, 6351..6668, 6351..6605, 6375..6596, 6410..6670, 6467..6667, 6695..6727, 11324..11422, 11702..11863		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75495	Strand	-

Start	11050	End	11863
Name	OJ990808_36.9C20.C12.o1.tm	Method	TBLASTX:Maize
Start	4289	End	11854
GI	none	Score	99
Exons	4289..4462, 4296..4445, 4484..4657, 4499..4672, 4503..4667, 11711..11854, 11718..11852		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75495	Strand	-
Start	11050	End	11863
Name	OJ990808_36.9C20.C12.o2.ts	Method	TBLASTX:Soybean
Start	5019	End	6682
GI	none	Score	124
Exons	5019..5417, 5028..5189, 5036..5416, 5090..5416, 5162..5416, 5222..5419, 5301..5414, 5426..5788, 5426..5716, 5426..5773, 5441..5488, 5447..5779, 5456..5779, 5598..5693, 5786..5887, 5873..6073, 5900..6073, 5900..6073, 5903..6097, 5921..6106, 5976..6077, 6113..6676, 6125..6667, 6125..6469, 6128..6682, 6198..6599, 6240..6647, 6351..6677, 6405..6593		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75495	Strand	-
Start	11050	End	11863
Name	OJ990808_36.9C20.C12.o2.tm	Method	TBLASTX:Maize
Start	5084	End	6676
GI	none	Score	46
Exons	5084..5416, 5090..5290, 5162..5416, 5162..5416, 5165..5416, 5183..5416, 5295..5342, 5327..5419, 5420..5788, 5423..5812, 5426..5791, 5426..5767, 5426..5656, 5447..5779, 5474..5767, 5651..5704, 5873..6073, 5900..6073, 5906..6085, 5979..6074, 6113..6301, 6123..6332, 6125..6544, 6146..6646, 6431..6676		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75495	Strand	-
Start	11050	End	11863
Name	OJ990808_36.9C20.C12.o1.tw	Method	TBLASTX:Wheat
Start	5381	End	6538
GI	none	Score	104
Exons	5381..5554, 5546..5692, 5744..6148, 6113..6235, 6308..6538		

Seq. No.	36656	Seq. ID	OJ990808_36.9C20.C12
Gene No.	75495	Strand	-
Start	11050	End	11863
Name	OJ990808_36.9C20.C12.o2.np	Method	AAT/NAP
Start	11050	End	11860
GI	6522590	Score	258
Exons	11050..11409, 11644..11860		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75496	Strand	+
Start	3193	End	3631
Name	OJ990808_36.9C20.C13.o1.gp	Method	AAT/GAP
Start	3193	End	3631
GI	none	Score	874
Exons	3193..3631		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o1.gs	Method	GENSCAN
Start	3414	End	6670
GI	none	Score	.92
Exons	3414..3760, 3988..4770, 4809..6185, 6235..6670		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o1.np	Method	AAT/NAP
Start	3414	End	6661
GI	2586083	Score	1681
Exons	3414..3760, 3988..6099, 6149..6661		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o1.ts	Method	TBLASTX:Soybean
Start	3588	End	4577
GI	none	Score	87
Exons	3588..3773, 3652..3762, 3989..4033, 4061..4225, 4065..4226, 4262..4462, 4265..4462, 4272..4463, 4485..4577, 4487..4576		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o1.tc	Method	TBLASTX:Cress
Start	3654	End	6466
GI	none	Score	67
Exons	3654..3773, 3989..4030, 4059..4208, 4061..4240, 4358..4477, 4924..5145, 4924..5145, 4924..5145, 4924..5145, 4924..5145, 4924..5145, 4924..5106, 4924..5106, 4924..5118, 4924..5145, 4924..5145, 4927..5145, 4927..5145, 4975..5145, 4994..5182, 4997..5179, 5210..5299, 5215..5478, 5230..5457, 5276..5389, 5276..5299, 5287..5535, 5287..5535, 5287..5481, 5287..5526, 5287..5535, 5287..5541, 5287..5574, 5287..5553, 5290..5535, 5302..5556, 5347..5535, 5407..5526, 5560..5646, 5572..5646, 5641..5871, 5683..5835, 5683..5859, 5728..5871, 5728..5838, 5737..5871, 5875..6063, 5875..6138, 5875..6012, 5878..6042, 5887..6138, 5887..6096, 5950..6087, 5962..6138, 6131..6415, 6137..6415, 6146..6409, 6149..6406, 6149..6217, 6152..6418, 6152..6415, 6152..6406, 6152..6415, 6153..6407, 6155..6421, 6155..6406, 6191..6406, 6206..6406, 6213..6344, 6434..6466		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o2.tw	Method	TBLASTX:Wheat
Start	3989	End	4315
GI	none	Score	65
Exons	3989..4225, 3990..4208, 4265..4315		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-

Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o1.tm	Method	TBLASTX:Maize
Start	4046	End	4435
GI	none	Score	114
Exons	4046..4231, 4059..4211, 4253..4435, 4263..4430		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o2.gp	Method	AAT/GAP
Start	4227	End	4671
GI	LIB3432-007-P1-K1-D12	Score	841
Exons	4227..4671		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 4.0e-57 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o2.ts	Method	TBLASTX:Soybean
Start	4689	End	6460
GI	none	Score	58
Exons	4689..4709, 4789..5145, 4924..5232, 4924..5145, 4924..5145, 4924..5145, 4942..5145, 4988..5179, 4988..5101, 4997..5179, 5054..5233, 5210..5320, 5216..5374, 5216..5371, 5267..5350, 5284..5625, 5287..5553, 5287..5550, 5287..5541, 5287..5550, 5287..5535, 5287..5454, 5317..5436, 5431..5535, 5662..5871, 5674..5835, 5683..5868, 5692..5817, 5693..5818, 5728..6078, 5728..5835, 5875..6147, 5878..6138, 5878..6096, 5881..6093, 5911..6036, 5932..6129, 6122..6418, 6138..6380, 6141..6386, 6149..6460, 6149..6406, 6149..6406, 6152..6418, 6152..6406, 6152..6271, 6152..6379		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o2.tm	Method	TBLASTX:Maize
Start	4924	End	6421
GI	none	Score	65
Exons	4924..5145, 4924..5145, 4924..5106, 4924..5046, 5287..5541, 5287..5535, 5287..5535, 5287..5535, 5287..5430, 5287..5529, 5560..5643, 5683..5868, 5683..5838, 5887..6126, 6146..6421, 6149..6406, 6152..6340, 6153..6386, 6153..6341		

Seq. No.	36657	Seq. ID	OJ990808_36.9C20.C13
Gene No.	75497	Strand	-
Start	3414	End	6670
Name	OJ990808_36.9C20.C13.o1.tw	Method	TBLASTX:Wheat
Start	5293	End	6009
GI	none	Score	82
Exons	5293..5454, 5377..5625, 5506..5910, 5875..6009		

Seq. No.	36658	Seq. ID	OJ990528_29.9C10.C1
Gene No.	75498	Strand	+
Start	276	End	404
Name	OJ990528_29.9C10.C1.o1.gs	Method	GENSCAN
Start	276	End	404

GI	none	Score	.9
Exons	276..404		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75499	Strand	+
Start	1	End	5069
Name	OJ990528_29.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	4494
GI	2133315	Score	350
Exons	1..21, 747..810, 1107..1168, 1266..1358, 1846..2290, 2689..2816, 4451..4494		
GI Descrip.	met-10+ protein - Neurospora crassa gi|773387 (L40806) Restriction enzyme inactivation of met-10 complementation in this region. Sequence similarity to S. cerevisiae chromosome VIII cosmid 9205, accession no. U10556 CDS residues 22627-24126 [Neurospora crassa] gi|1583208|prf||2120297B met-10 gene [Neurospora crassa]		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75499	Strand	+
Start	1	End	5069
Name	OJ990528_29.9C10.C2.o1.gs	Method	GENSCAN
Start	247	End	5069
GI	none	Score	.78
Exons	247..344, 677..810, 1267..1466, 1825..2344, 2437..2523, 2668..2814, 4045..4151, 4266..4340, 4819..4972, 4993..5069		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75500	Strand	+
Start	5515	End	5913
Name	OJ990528_29.9C10.C2.o2.gs	Method	GENSCAN
Start	5515	End	5913
GI	none	Score	.98
Exons	5515..5913		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75501	Strand	+
Start	12804	End	16458
Name	OJ990528_29.9C10.C2.o3.np	Method	AAT/NAP
Start	12804	End	16452
GI	6598863	Score	1369
Exons	12804..12834, 12961..13318, 13884..14070, 14165..14399, 14474..14542, 14652..14753, 14922..14962, 15152..15285, 15361..15424, 15598..15688, 15775..15908, 16357..16452		
GI Descrip.	(AC010556) unknown protein [Arabidopsis thaliana]		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75501	Strand	+
Start	12804	End	16458
Name	OJ990528_29.9C10.C2.o4.gs	Method	GENSCAN
Start	13930	End	16458
GI	none	Score	.78
Exons	13930..14070, 14165..14399, 14934..14962, 15152..15285, 15361..15424, 15598..15724, 15769..15887, 16236..16261, 16356..16458		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2

Gene No.	75502	Strand	+
Start	20041	End	22833
Name	OJ990528_29.9C10.C2.o6.gs	Method	GENSCAN
Start	20041	End	22715
GI	none	Score	.71
Exons	20041..20120, 20348..20491, 20702..20905, 21329..21414, 21426..21598, 21661..22213, 22303..22715		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75502	Strand	+
Start	20041	End	22833
Name	OJ990528_29.9C10.C2.o2.gp	Method	AAT/GAP
Start	21792	End	22833
GI	26930_1.R1084	Score	1769
Exons	21792..22213, 22303..22833		
GI Descrip.	'1403522/emb|CAA40474| 7.0e-82 (X57187) chitinase [Phaseolus vulgaris]'		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75502	Strand	+
Start	20041	End	22833
Name	OJ990528_29.9C10.C2.o5.np	Method	AAT/NAP
Start	21796	End	22712
GI	2597826	Score	865
Exons	21796..22214, 22301..22712		
GI Descrip.	(Y14590) class IV chitinase [Arabidopsis thaliana]		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75503	Strand	+
Start	37697	End	40412
Name	OJ990528_29.9C10.C2.o8.np	Method	AAT/NAP
Start	37685	End	40412
GI	6671951	Score	674
Exons	37685..38620, 40383..40412		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75503	Strand	+
Start	37697	End	40412
Name	OJ990528_29.9C10.C2.o9.gs	Method	GENSCAN
Start	37697	End	39327
GI	none	Score	.95
Exons	37697..38602, 39166..39327		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75504	Strand	+
Start	40656	End	41082
Name	OJ990528_29.9C10.C2.o5.gp	Method	AAT/GAP
Start	40656	End	41082
GI	none	Score	765
Exons	40656..41082		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75505	Strand	+
Start	41530	End	42914
Name	OJ990528_29.9C10.C2.o6.gp	Method	AAT/GAP
Start	41530	End	42914

GI	none	Score	842
Exons	41530..41712, 42655..42914		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75506	Strand	-
Start	5316	End	13259
Name	OJ990528_29.9C10.C2.o1.gp	Method	AAT/GAP
Start	5316	End	6617
GI	2_2.R1084	Score	2348
Exons	5316..5871, 5976..6617		
GI Descrip.	'2129675/pir||S60222 2.0e-26 probable chlorophyll synthetase G4 - Arabidopsis thaliana >gi_972938 (U19382) putative chlorophyll synthetase [Arabidopsis thaliana] >gi_3068709 (AF049236) putative chlorophyll synthetase [Arabidopsis thaliana]'		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75506	Strand	-
Start	5316	End	13259
Name	OJ990528_29.9C10.C2.o2.np	Method	AAT/NAP
Start	5581	End	6497
GI	3618314	Score	1412
Exons	5581..5871, 5976..6497		
GI Descrip.	(AB001885) zinc finger protein [Oryza sativa]		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75506	Strand	-
Start	5316	End	13259
Name	OJ990528_29.9C10.C2.o3.gs	Method	GENSCAN
Start	5955	End	13259
GI	none	Score	.52
Exons	5955..6529, 6788..6980, 7247..7377, 8287..8388, 8943..9272, 9364..9477, 11608..11812, 13005..13259		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75507	Strand	-
Start	17388	End	19175
Name	OJ990528_29.9C10.C2.o4.np	Method	AAT/NAP
Start	17369	End	18249
GI	2281107	Score	188
Exons	17369..17663, 18052..18249		
GI Descrip.	(AC002333) unknown protein [Arabidopsis thaliana]		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75507	Strand	-
Start	17388	End	19175
Name	OJ990528_29.9C10.C2.o5.gs	Method	GENSCAN
Start	17388	End	19175
GI	none	Score	.71
Exons	17388..17663, 18052..18288, 18936..19175		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75508	Strand	-
Start	30576	End	37146
Name	OJ990528_29.9C10.C2.o8.gs	Method	GENSCAN
Start	30576	End	37146
GI	none	Score	.79
Exons	30576..30803, 30986..31103, 32174..32416, 32523..32572,		

32988..33069, 33381..33439, 33597..33656, 33787..33848,
33976..34135, 34317..34396, 35051..35180, 35200..35374,
36106..36209, 36240..36458, 36640..36708, 36751..37146

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75508	Strand	-
Start	30576	End	37146
Name	OJ990528_29.9C10.C2.o3.gp	Method	AAT/GAP
Start	31503	End	33155
GI	3768697	Score	955
Exons	31503..31756, 32174..32416, 32523..32572, 32988..33155		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75508	Strand	-
Start	30576	End	37146
Name	OJ990528_29.9C10.C2.o7.np	Method	AAT/NAP
Start	32158	End	36479
GI	6017114	Score	838
Exons	32158..32451, 32970..33069, 33381..33439, 33597..33656, 33787..33848, 33976..34135, 34317..34396, 35051..35114, 35200..35277, 36141..36209, 36333..36479		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75508	Strand	-
Start	30576	End	37146
Name	OJ990528_29.9C10.C2.o4.gp	Method	AAT/GAP
Start	33365	End	34413
GI	73211_1.R1084	Score	724
Exons	33365..33439, 33597..33656, 33787..33848, 33976..34135, 34317..34413		
GI Descrip.	'6017114/gb|AAF01597.1|AC009895_18 2.0e-21 (AC009895) unknown protein [Arabidopsis thaliana]'		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o6.tm	Method	TBLASTX:Maize
Start	1109	End	2097
GI	none	Score	98
Exons	1109..1252, 1109..1189, 1265..1339, 1266..1340, 1269..1343, 1271..1345, 1822..2079, 1824..2096, 1825..2097, 1826..2080, 1827..2084		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	1824	End	2208
GI	none	Score	230
Exons	1824..2207, 1824..2207, 1825..2208		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o7.tm	Method	TBLASTX:Maize
Start	5584	End	6407

GI	none	Score	34
Exons	5584..5607, 5596..5652, 5636..5653, 5708..5773, 5716..5772, 5777..5851, 5779..5850, 5976..6047, 5977..6048, 5998..6048, 6045..6107, 6115..6141, 6168..6353, 6169..6360, 6210..6332, 6343..6390, 6357..6407		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	5794	End	6407
GI	none	Score	127
Exons	5794..5865, 5976..6035, 6162..6332, 6174..6407, 6175..6390		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o4.ts	Method	TBLASTX:Soybean
Start	6169	End	6407
GI	none	Score	120
Exons	6169..6393, 6174..6407, 6204..6332		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	12674	End	15426
GI	none	Score	46
Exons	12674..12700, 12801..12833, 12950..13012, 12960..13025, 12996..13319, 13019..13315, 13884..14054, 13884..14066, 13885..14070, 14162..14407, 14164..14400, 14165..14404, 14473..14541, 14475..14546, 14629..14754, 14651..14761, 15129..15281, 15151..15282, 15152..15283, 15152..15283, 15361..15423, 15362..15424, 15366..15425, 15367..15426		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o6.ts	Method	TBLASTX:Soybean
Start	12960	End	13319
GI	none	Score	66
Exons	12960..13013, 13019..13315, 13020..13319		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	14162	End	15881
GI	none	Score	96
Exons	14162..14425, 14163..14396, 14164..14397, 14165..14404, 14475..14552, 14476..14541, 14481..14552, 14629..14748, 14637..14753, 14654..14752, 14924..14965, 15151..15282, 15154..15291, 15155..15286, 15353..15424, 15362..15427, 15577..15696, 15831..15881		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-

Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o3.tc	Method	TBLASTX:Cress
Start	14653	End	15883
GI	none	Score	155
Exons	14653..14748, 14654..14758, 15150..15287, 15151..15300, 15152..15286, 15353..15424, 15362..15451, 15399..15425, 15577..15696, 15597..15695, 15776..15883, 15822..15881		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o5.tm	Method	TBLASTX:Maize
Start	1[illegible]	End	19209
GI	none	Score	229
Exons	17374..17664, [illegible], 17385..17690, 17387..17671, [illegible], 18043..18285, 18064..18129, 18190..18288, 18206..18289, [illegible], 18936..19082, 18937..19083, 19104..19163, [illegible], 19105..19164, 19163..19198, 19164..19199, 19165..19209		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o3.tm	Method	TBLASTX:Ma
Start	21807	End	22212
GI	none	Score	465
Exons	21807..22208, 21886..22212		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o4.tw	Method	TBLASTX:Wheat
Start	21885	End	22143
GI	none	Score	142
Exons	21885..21980, 21886..21984, 21888..22007, 21999..22037, 21999..22139, 22012..22143		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	21886	End	22745
GI	none	Score	161
Exons	21886..21993, 21891..21992, 21990..22208, 21991..22209, 22305..22574, 22307..22546, 22560..22745, 22571..22714		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	22020	End	22717
GI	none	Score	217
Exons	22020..22208, 22021..22209, 22281..22574, 22307..22573, 22533..22715, 22541..22717		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-

Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	22334	End	22715
GI	none	Score	307
Exons	22334..22573, 22335..22574, 22550..22714, 22560..22715		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	23181	End	23963
GI	none	Score	105
Exons	23181..23273, 23184..23273, 23280..23360, 23337..23963, 23358..23492, 23450..23497, 23578..23715, 23579..23716		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o3.tw	Method	TBLASTX:Wheat
Start	23394	End	23804
GI	none	Score	155
Exons	23394..23570, 23435..23575, 23580..23732, 23724..23804		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o14.tm	Method	TBLASTX:Maize
Start	23981	End	24223
GI	none	Score	213
Exons	23981..24217, 24001..24216, 24053..24223		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o9.tm	Method	TBLASTX:Maize
Start	24260	End	24731
GI	none	Score	62
Exons	24260..24325, 24341..24448, 24342..24632, 24645..24731		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	24456	End	24824
GI	none	Score	343
Exons	24456..24824, 24465..24824		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o15.tm	Method	TBLASTX:Maize
Start	24919	End	25194
GI	none	Score	156
Exons	24919..25098, 24954..25097, 25080..25157, 25093..25194		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-

Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o5.ts	Method	TBLASTX:Soybean
Start	33024	End	36479
GI	none	Score	68
Exons	33024..33074, 33381..33437, 33383..33436, 33784..33849, 33974..34024, 34079..34138, 34305..34397, 35052..35117, 35059..35109, 35194..35367, 35200..35382, 36153..36215, 36154..36210, 36333..36479, 36334..36372, 36398..36472		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o12.tm	Method	TBLASTX:Maize
Start	33367	End	34138
GI	none	Score	115
Exons	33367..33438, 33370..33438, 33374..33439, 33375..33440, 33375..33440, 33597..33662, 33784..33849, 33938..34027, 33943..34035, 33974..34024, 34061..34138, 34083..34136, 34100..34138		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o13.tm	Method	TBLASTX:Maize
Start	35052	End	35388
GI	none	Score	87
Exons	35052..35171, 35203..35382, 35230..35388		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o8.tm	Method	TBLASTX:Maize
Start	36123	End	36480
GI	none	Score	107
Exons	36123..36215, 36145..36207, 36150..36209, 36333..36479, 36334..36372, 36398..36469, 36439..36480		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o11.tm	Method	TBLASTX:Maize
Start	37726	End	38185
GI	none	Score	156
Exons	37726..37890, 37727..37903, 37981..38154, 37982..38185		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	37817	End	38278
GI	none	Score	95
Exons	37817..37933, 37982..38278		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o10.tm	Method	TBLASTX:Maize

Start	38201	End	38539
GI	none	Score	237
Exons	38201..38443, 38453..38539		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o16.tm	Method	TBLASTX:Maize
Start	40184	End	42789
GI	none	Score	75
Exons	40184..40249, 40188..40268, 40336..40401, 40734..40784, 40734..40790, 40735..40785, 40735..40794, 40861..40965, 40882..41025, 40883..41023, 40884..41027, 40954..41025, 40984..41034, 41160..41276, 41345..41398, 41577..41696, 41587..41697, 41587..41694, 41589..41696, 42190..42345, 42223..42327, 42667..42789, 42668..42784, 42697..42789		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o10.gs	Method	GENSCAN
Start	40701	End	43028
GI	none	Score	87
Exons	40701..40790, 40885..41031, 41357..41503, 41589..41695, 42225..42324, 42875..43028		

Seq. No.	36659	Seq. ID	OJ990528_29.9C10.C2
Gene No.	75509	Strand	-
Start	40701	End	43028
Name	OJ990528_29.9C10.C2.o4.tc	Method	TBLASTX:Cress
Start	41589	End	42803
GI	none	Score	86
Exons	41589..41696, 41593..41697, 42190..42333, 42411..42443, 42667..42801, 42668..42775, 42670..42801, 42684..42803		

Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75510	Strand	+
Start	1	End	292
Name	OJ990528_29.9C10.C3.o1.gp	Method	AAT/GAP
Start	1	End	292
GI	none	Score	576
Exons	1..292		

Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75511	Strand	+
Start	5743	End	7066
Name	OJ990528_29.9C10.C3.o3.gs	Method	GENSCAN
Start	5743	End	7066
GI	none	Score	.57
Exons	5743..5750, 6361..7066		

Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75512	Strand	+
Start	12517	End	14148
Name	OJ990528_29.9C10.C3.o5.gs	Method	GENSCAN
Start	12517	End	14148
GI	none	Score	.5

Exons	12517..12548, 12717..13111, 13346..13517, 13959..14148		
Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75513	Strand	+
Start	17530	End	17965
Name	OJ990528_29.9C10.C3.o7.gs	Method	GENSCAN
Start	17530	End	17965
GI	none	Score	.85
Exons	17530..17651, 17662..17965		
Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75514	Strand	-
Start	574	End	1246
Name	OJ990528_29.9C10.C3.o1.gs	Method	GENSCAN
Start	574	End	1246
GI	none	Score	.71
Exons	574..732, 815..871, 950..1246		
Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75515	Strand	-
Start	3537	End	3911
Name	OJ990528_29.9C10.C3.o2.gs	Method	GENSCAN
Start	3537	End	3911
GI	none	Score	.75
Exons	3537..3911		
Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75516	Strand	-
Start	9341	End	10681
Name	OJ990528_29.9C10.C3.o4.gs	Method	GENSCAN
Start	9341	End	10681
GI	none	Score	.97
Exons	9341..10681		
Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75517	Strand	-
Start	14822	End	16024
Name	OJ990528_29.9C10.C3.o6.gs	Method	GENSCAN
Start	14822	End	16024
GI	none	Score	.99
Exons	14822..16024		
Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75518	Strand	-
Start	20052	End	21734
Name	OJ990528_29.9C10.C3.o8.gs	Method	GENSCAN
Start	20052	End	21734
GI	none	Score	.75
Exons	20052..20385, 20657..21047, 21185..21734		
Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75519	Strand	-
Start	22244	End	26057
Name	OJ990528_29.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	433	End	735
GI	none	Score	83
Exons	433..513, 440..517, 631..735, 632..712		

Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75519	Strand	-
Start	22244	End	26057
Name	OJ990528_29.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	11775	End	12070
GI	none	Score	72
Exons	11775..11963, 11776..11937, 11777..11974, 11969..12070		

Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75519	Strand	-
Start	22244	End	26057
Name	OJ990528_29.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	13215	End	14104
GI	none	Score	166
Exons	13215..13376, 13217..13363, 13379..13456, 13487..13561, 13958..14104		

Seq. No.	36660	Seq. ID	OJ990528_29.9C10.C3
Gene No.	75519	Strand	-
Start	22244	End	26057
Name	OJ990528_29.9C10.C3.o9.gs	Method	GENSCAN
Start	22244	End	26057
GI	none	Score	.69
Exons	22244..22732, 22942..23073, 23525..23635, 24077..24214, 24418..24477, 24552..24750, 25741..26057		

Seq. No.	36661	Seq. ID	OJ990528_29.9C10.C4
Gene No.	75520	Strand	-
Start	1	End	2710
Name	OJ990528_29.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	2249
GI	6815107	Score	461
Exons	1..953, 2209..2249		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	36661	Seq. ID	OJ990528_29.9C10.C4
Gene No.	75520	Strand	-
Start	1	End	2710
Name	OJ990528_29.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	11	End	388
GI	none	Score	107
Exons	11..388, 18..296		

Seq. No.	36661	Seq. ID	OJ990528_29.9C10.C4
Gene No.	75520	Strand	-
Start	1	End	2710
Name	OJ990528_29.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	14	End	338
GI	none	Score	156
Exons	14..337, 48..338		

Seq. No.	36661	Seq. ID	OJ990528_29.9C10.C4
Gene No.	75520	Strand	-
Start	1	End	2710
Name	OJ990528_29.9C10.C4.o1.gs	Method	GENSCAN

Start	33	End	2710
GI	none	Score	.59
Exons	33..1036, 1147..1256, 2260..2422, 2489..2710		

Seq. No.	36661	Seq. ID	OJ990528_29.9C10.C4
Gene No.	75520	Strand	-
Start	1	End	2710
Name	OJ990528_29.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	65	End	403
GI	none	Score	78
Exons	65..403, 108..305		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75521	Strand	+
Start	15271	End	16731
Name	OJ990528_29.9C10.C5.o5.gs	Method	GENSCAN
Start	15271	End	16731
GI	none	Score	.84
Exons	15271..15278, 15305..15365, 15779..15923, 15935..16246, 16367..16731		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75522	Strand	-
Start	1923	End	4641
Name	OJ990528_29.9C10.C5.o1.np	Method	AAT/NAP
Start	1923	End	4641
GI	1665741	Score	162
Exons	1923..2063, 2211..2926, 4594..4641		
GI Descrip.	(D82349) cyclin [Adiantum capillus-veneris]		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75522	Strand	-
Start	1923	End	4641
Name	OJ990528_29.9C10.C5.o2.gs	Method	GENSCAN
Start	2138	End	3334
GI	none	Score	.75
Exons	2138..3334		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75523	Strand	-
Start	6216	End	13910
Name	OJ990528_29.9C10.C5.o3.np	Method	AAT/NAP
Start	6216	End	13895
GI	3763933	Score	976
Exons	6216..6250, 7594..7836, 10085..10132, 10327..10403, 10483..10616, 10735..10842, 11042..11173, 11217..11389, 11488..11607, 12242..12301, 12393..12474, 12543..12620, 12811..12867, 13433..13549, 13740..13895		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75523	Strand	-
Start	6216	End	13910
Name	OJ990528_29.9C10.C5.o3.gs	Method	GENSCAN
Start	7372	End	8445
GI	none	Score	.95
Exons	7372..8445		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75523	Strand	-
Start	6216	End	13910
Name	OJ990528_29.9C10.C5.o1.gp	Method	AAT/GAP
Start	9108	End	10130
GI	none	Score	1086
Exons	9108..9470, 9935..10130		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75523	Strand	-
Start	6216	End	13910
Name	OJ990528_29.9C10.C5.o4.gs	Method	GENSCAN
Start	9462	End	13910
GI	none	Score	.94
Exons	9462..9470, 10084..10132, 10327..10403, 10483..10616, 10735..10842, 11042..11111, 11310..11387, 11513..11635, 12242..12301, 12543..12620, 12811..12867, 13433..13549, 13740..13910		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75524	Strand	-
Start	17756	End	18157
Name	OJ990528_29.9C10.C5.o6.gs	Method	GENSCAN
Start	17756	End	18157
GI	none	Score	.67
Exons	17756..17848, 18104..18157		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75525	Strand	-
Start	21037	End	21155
Name	OJ990528_29.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	9150	End	11387
GI	none	Score	66
Exons	9150..9170, 9281..9346, 9358..9429, 9364..9414, 9931..9996, 9932..10000, 9934..9999, 10082..10132, 10085..10132, 10308..10406, 10326..10406, 10469..10621, 10471..10626, 10483..10626, 10674..10877, 10734..10868, 10736..10879, 10736..10879, 11020..11115, 11029..11112, 11040..11117, 11310..11387, 11312..11386		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75525	Strand	-
Start	21037	End	21155
Name	OJ990528_29.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	9931	End	11557
GI	none	Score	187
Exons	9931..10002, 10084..10128, 10368..10406, 10469..10621, 10471..10626, 10734..10844, 10736..10879, 10737..10844, 11028..11117, 11029..11118, 11310..11384, 11310..11387, 11314..11388, 11507..11557, 11508..11555		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75525	Strand	-
Start	21037	End	21155
Name	OJ990528_29.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	11079	End	11635

GI	none	Score	61
Exons	11079..11117, 11310..11387, 11338..11388, 11507..11635, 11508..11633		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75525	Strand	-
Start	21037	End	21155
Name	OJ990528_29.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	11507	End	13911
GI	none	Score	191
Exons	11507..11638, 11508..11639, 11511..11648, 11566..11640, 12242..12388, 12243..12317, 12381..12476, 12384..12449, 12391..12450, 12528..12620, 12529..12621, 12545..12622, 12545..12622, 12810..12869, 12811..12894, 12815..12868, 13433..13555, 13437..13556, 13474..13557, 13740..13829, 13740..13829, 13741..13851, 13742..13864, 13862..13906, 13864..13911		

Seq. No.	36662	Seq. ID	OJ990528_29.9C10.C5
Gene No.	75525	Strand	-
Start	21037	End	21155
Name	OJ990528_29.9C10.C5.o7.gs	Method	GENSCAN
Start	21037	End	21155
GI	none	Score	.47
Exons	21037..21155		

Seq. No.	36663	Seq. ID	OJ990528_29.9C10.C6
Gene No.	75526	Strand	-
Start	1	End	404
Name	OJ990528_29.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	404
GI	3334133	Score	421
Exons	1..404		
GI Descrip.	CYTOCHROME P450 89A2 (CYPLXXXIX) (ATH 6-1) gi|1432145 (U61231) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	36663	Seq. ID	OJ990528_29.9C10.C6
Gene No.	75526	Strand	-
Start	1	End	404
Name	OJ990528_29.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	403
GI	none	Score	120
Exons	2..214, 3..206, 251..403, 261..398		

Seq. No.	36663	Seq. ID	OJ990528_29.9C10.C6
Gene No.	75526	Strand	-
Start	1	End	404
Name	OJ990528_29.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	374
GI	none	Score	61
Exons	2..202, 30..194, 251..373, 261..374		

Seq. No.	36663	Seq. ID	OJ990528_29.9C10.C6
Gene No.	75526	Strand	-
Start	1	End	404
Name	OJ990528_29.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	5	End	304

GI	none	Score	188
Exons	5..304, 128..301		
Seq. No.	36663	Seq. ID	OJ990528_29.9C10.C6
Gene No.	75526	Strand	-
Start	1	End	404
Name	OJ990528_29.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	8	End	365
GI	none	Score	309
Exons	8..364, 9..365		
Seq. No.	36663	Seq. ID	OJ990528_29.9C10.C6
Gene No.	75526	Strand	-
Start	1	End	404
Name	OJ990528_29.9C10.C6.o1.gs	Method	GENSCAN
Start	14	End	322
GI	none	Score	.47
Exons	14..322		
Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75527	Strand	+
Start	382	End	1954
Name	OJ990528_29.9C10.C9.o1.gs	Method	GENSCAN
Start	382	End	1954
GI	none	Score	.5
Exons	382..837, 926..1954		
Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75527	Strand	+
Start	382	End	1954
Name	OJ990528_29.9C10.C9.o1.np	Method	AAT/NAP
Start	382	End	1954
GI	5042430	Score	1173
Exons	382..1954		
GI Descrip.	(AC006193) Putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75528	Strand	-
Start	1513	End	2005
Name	OJ990528_29.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	487	End	708
GI	none	Score	39
Exons	487..669, 497..514, 504..695, 517..708		
Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75528	Strand	-
Start	1513	End	2005
Name	OJ990528_29.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	526	End	1947
GI	none	Score	101
Exons	526..675, 742..834, 908..1042, 1043..1219, 1205..1306, 1228..1257, 1252..1428, 1280..1477, 1474..1695, 1475..1699, 1706..1912, 1744..1947		
Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75528	Strand	-
Start	1513	End	2005

Name	OJ990528_29.9C10.C9.o2.tw	Method	TBLASTX:Wheat
Start	529	End	867
GI	none	Score	67
Exons	529..606, 547..630, 622..837, 622..867		

Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75528	Strand	-
Start	1513	End	2005
Name	OJ990528_29.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	580	End	1912
GI	none	Score	161
Exons	580..831, 863..892, 917..1051, 1178..1288, 1292..1426, 1306..1425, 1460..1711, 1468..1695, 1712..1852, 1750..1851, 1871..1912		

Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75528	Strand	-
Start	1513	End	2005
Name	OJ990528_29.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	745	End	1944
GI	none	Score	64
Exons	745..819, 923..1036, 1049..1147, 1148..1183, 1232..1276, 1274..1435, 1303..1428, 1424..1912, 1471..1878, 1499..1885, 1855..1944		

Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75528	Strand	-
Start	1513	End	2005
Name	OJ990528_29.9C10.C9.o1.gp	Method	AAT/GAP
Start	1513	End	2005
GI	47859_1.R1084	Score	925
Exons	1513..2005		
GI Descrip.	'461812/sp|Q05047|CP72_CATRO 8.0e-38 CYTOCHROME P450 72A1 (CYPLXXII) (PROBABLE GERANIOL-10-HYDROXYLASE) (GE10H) >gi_167484 (L10081) Cytochrome P-450 protein [Catharanthus roseus] >gi_445604_prf__1909351A cytochrome P450 [Catharanthus roseus]'		

Seq. No.	36664	Seq. ID	OJ990528_29.9C10.C9
Gene No.	75528	Strand	-
Start	1513	End	2005
Name	OJ990528_29.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	1586	End	1941
GI	none	Score	493
Exons	1586..1918, 1591..1941		

Seq. No.	36665	Seq. ID	OJ990528_29.9C10.C13
Gene No.	75529	Strand	+
Start	92	End	160
Name	OJ990528_29.9C10.C13.o1.gs	Method	GENSCAN
Start	92	End	160
GI	none	Score	.72
Exons	92..160		

Seq. No.	36666	Seq. ID	OJ990528_29.9C10.C23
Gene No.	75530	Strand	+
Start	84	End	214
Name	OJ990528_29.9C10.C23.o1.gs	Method	GENSCAN

Start	84	End	214
GI	none	Score	.55
Exons	84..214		

Seq. No.	36667	Seq. ID	OJ990528_29.9C10.C24
Gene No.	75531	Strand	-
Start	18	End	310
Name	OJ990528_29.9C10.C24.o1.gs	Method	GENSCAN
Start	18	End	310
GI	none	Score	.67
Exons	18..105, 239..310		

Seq. No.	36668	Seq. ID	OJ990528_29.9C10.C25
Gene No.	75532	Strand	-
Start	310	End	535
Name	OJ990528_29.9C10.C25.o1.gs	Method	GENSCAN
Start	310	End	535
GI	none	Score	.72
Exons	310..535		

Seq. No.	36669	Seq. ID	OJ990528_29.9C10.C26
Gene No.	75533	Strand	+
Start	1	End	272
Name	OJ990528_29.9C10.C26.o1.np	Method	AAT/NAP
Start	1	End	272
GI	4038055	Score	144
Exons	1..272		
GI Descrip.	(AC005897) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	36669	Seq. ID	OJ990528_29.9C10.C26
Gene No.	75533	Strand	+
Start	1	End	272
Name	OJ990528_29.9C10.C26.o1.gs	Method	GENSCAN
Start	64	End	237
GI	none	Score	.4
Exons	64..237		

Seq. No.	36670	Seq. ID	OJ990528_29.9C10.C28
Gene No.	75534	Strand	-
Start	1	End	514
Name	OJ990528_29.9C10.C28.o1.np	Method	AAT/NAP
Start	1	End	393
GI	3540192	Score	140
Exons	1..393		
GI Descrip.	(AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36670	Seq. ID	OJ990528_29.9C10.C28
Gene No.	75534	Strand	-
Start	1	End	514
Name	OJ990528_29.9C10.C28.o1.gp	Method	AAT/GAP
Start	163	End	514
GI	2312446	Score	513
Exons	163..514		
GI Descrip.	4755191/gb|AAD29058.1|AC007018_6 9.0e-09 (AC007018) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	36670	Seq. ID	OJ990528_29.9C10.C28

Gene No.	75534	Strand	-
Start	1	End	514
Name	OJ990528_29.9C10.C28.o1.gs	Method	GENSCAN
Start	213	End	384
GI	none	Score	.7
Exons	213..384		

Seq. No.	36671	Seq. ID	OJ990318_19.9C10.C1
Gene No.	75535	Strand	+
Start	2	End	52
Name	OJ990318_19.9C10.C1.o1.gs	Method	GENSCAN
Start	2	End	52
GI	none	Score	.78
Exons	2..52		

Seq. No.	36672	Seq. ID	OJ990318_19.9C10.C2
Gene No.	75536	Strand	+
Start	246	End	416
Name	OJ990318_19.9C10.C2.o1.gs	Method	GENSCAN
Start	246	End	416
GI	none	Score	.88
Exons	246..416		

Seq. No.	36672	Seq. ID	OJ990318_19.9C10.C2
Gene No.	75537	Strand	-
Start	328	End	474
Name	OJ990318_19.9C10.C2.o1.gp	Method	AAT/GAP
Start	328	End	474
GI	21474_1.R1084	Score	249
Exons	328..474		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36672	Seq. ID	OJ990318_19.9C10.C2
Gene No.	75538	Strand	-
Start	829	End	2084
Name	OJ990318_19.9C10.C2.o2.gs	Method	GENSCAN
Start	829	End	2084
GI	none	Score	.81
Exons	829..1014, 1094..1192, 1287..1359, 1464..1553, 1650..1823, 1933..2084		

Seq. No.	36672	Seq. ID	OJ990318_19.9C10.C2
Gene No.	75538	Strand	-
Start	829	End	2084
Name	OJ990318_19.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	1484	End	2006
GI	none	Score	68
Exons	1484..1555, 1655..1837, 1662..1787, 1926..2006		

Seq. No.	36673	Seq. ID	OJ990318_19.9C10.C3
Gene No.	75539	Strand	-
Start	29	End	121
Name	OJ990318_19.9C10.C3.o1.gs	Method	GENSCAN
Start	29	End	121
GI	none	Score	.77
Exons	29..121		

Seq. No.	36674	Seq. ID	OJ990318_19.9C10.C5
Gene No.	75540	Strand	+
Start	158	End	338
Name	OJ990318_19.9C10.C5.o1.gs	Method	GENSCAN
Start	158	End	338
GI	none	Score	.93
Exons	158..338		

Seq. No.	36674	Seq. ID	OJ990318_19.9C10.C5
Gene No.	75541	Strand	-
Start	1	End	366
Name	OJ990318_19.9C10.C5.o1.gp	Method	AAT/GAP
Start	1	End	366
GI	723_2.R1084	Score	503
Exons	1..248, 344..366		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	36674	Seq. ID	OJ990318_19.9C10.C5
Gene No.	75541	Strand	-
Start	1	End	366
Name	OJ990318_19.9C10.C5.o1.np	Method	AAT/NAP
Start	203	End	366
GI	1710551	Score	98
Exons	203..248, 344..366		
GI Descrip.	60S RIBOSOMAL PROTEIN L39 gi|1177369|emb|CAA64728.1| (X95458) ribosomal protein L39 [Zea mays]		

Seq. No.	36675	Seq. ID	OJ990318_19.9C10.C6
Gene No.	75542	Strand	+
Start	1	End	751
Name	OJ990318_19.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	751
GI	4588012	Score	305
Exons	1..82, 199..305, 394..516, 604..751		
GI Descrip.	(AF085717) putative callose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	36675	Seq. ID	OJ990318_19.9C10.C6
Gene No.	75542	Strand	+
Start	1	End	751
Name	OJ990318_19.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	222	End	719
GI	none	Score	52
Exons	222..287, 387..563, 394..522, 600..656, 604..669, 655..717, 660..719		

Seq. No.	36675	Seq. ID	OJ990318_19.9C10.C6
Gene No.	75542	Strand	+
Start	1	End	751
Name	OJ990318_19.9C10.C6.o1.gs	Method	GENSCAN
Start	298	End	719
GI	none	Score	.54
Exons	298..305, 369..516, 604..719		

Seq. No.	36675	Seq. ID	OJ990318_19.9C10.C6
Gene No.	75542	Strand	+
Start	1	End	751
Name	OJ990318_19.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	390	End	719
GI	none	Score	187
Exons	390..512, 394..522, 394..516,	600..719,	604..717

Seq. No.	36675	Seq. ID	OJ990318_19.9C10.C6
Gene No.	75542	Strand	+
Start	1	End	751
Name	OJ990318_19.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	396	End	719
GI	none	Score	186
Exons	396..512, 397..522, 600..689,	604..690,	690..719, 691..717

Seq. No.	36676	Seq. ID	OJ990318_19.9C10.C7
Gene No.	75543	Strand	+
Start	206	End	378
Name	OJ990318_19.9C10.C7.o1.gs	Method	GENSCAN
Start	206	End	378
GI	none	Score	47
Exons	206..378		

Seq. No.	36677	Seq. ID	OJ990318_19.9C10.C8
Gene No.	75544	Strand	+
Start	1	End	818
Name	OJ990318_19.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	818
GI	6069646	Score	278
Exons	1..59, 263..818		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36677	Seq. ID	OJ990318_19.9C10.C8
Gene No.	75544	Strand	+
Start	1	End	818
Name	OJ990318_19.9C10.C8.o1.gs	Method	GENSCAN
Start	340	End	655
GI	none	Score	81
Exons	340..443, 477..530, 532..655		

Seq. No.	36677	Seq. ID	OJ990318_19.9C10.C8
Gene No.	75544	Strand	+
Start	1	End	818
Name	OJ990318_19.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	352	End	709
GI	none	Score	207
Exons	352..492, 353..709		

Seq. No.	36678	Seq. ID	OJ990318_19.9C10.C12
Gene No.	75545	Strand	+
Start	44	End	530
Name	OJ990318_19.9C10.C12.o1.gs	Method	GENSCAN

Start	44	End	486
GI	none	Score	.75
Exons	44..94, 388..486		

Seq. No.	36678	Seq. ID	OJ990318_19.9C10.C12
Gene No.	75545	Strand	+
Start	44	End	530
Name	OJ990318_19.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	250	End	530
GI	none	Score	83
Exons	250..396, 250..396, 257..406, 261..419, 372..530		

Seq. No.	36679	Seq. ID	OJ990318_19.9C10.C13
Gene No.	75546	Strand	-
Start	1	End	504
Name	OJ990318_19.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	504
GI	6539588	Score	211
Exons	1..57, 180..504		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36679	Seq. ID	OJ990318_19.9C10.C13
Gene No.	75546	Strand	-
Start	1	End	504
Name	OJ990318_19.9C10.C13.o1.gs	Method	GENSCAN
Start	40	End	284
GI	none	Score	.5
Exons	40..167, 191..284		

Seq. No.	36680	Seq. ID	OJ990318_19.9C10.C14
Gene No.	75547	Strand	+
Start	133	End	199
Name	OJ990318_19.9C10.C14.o1.gs	Method	GENSCAN
Start	133	End	199
GI	none	Score	.71
Exons	133..199		

Seq. No.	36681	Seq. ID	OJ990318_19.9C10.C17
Gene No.	75548	Strand	-
Start	296	End	400
Name	OJ990318_19.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	288	End	400
GI	none	Score	170
Exons	288..398, 290..400, 290..400		

Seq. No.	36681	Seq. ID	OJ990318_19.9C10.C17
Gene No.	75548	Strand	-
Start	296	End	400
Name	OJ990318_19.9C10.C17.o1.np	Method	AAT/NAP
Start	296	End	400
GI	6646754	Score	159
Exons	296..400		
GI Descrip.	(AC013258) unknown protein [Arabidopsis thaliana]		

Seq. No.	36682	Seq. ID	OJ990318_19.9C10.C19
Gene No.	75549	Strand	+
Start	608	End	753

Name	OJ990318_19.9C10.C19.o1.gs	Method	GENSCAN
Start	608	End	753
GI	none	Score	.46
Exons	608..753		

Seq. No.	36683	Seq. ID	OJ990318_19.9C10.C20
Gene No.	75550	Strand	+
Start	86	End	790
Name	OJ990318_19.9C10.C20.o1.gs	Method	GENSCAN
Start	86	End	790
GI	none	Score	.51
Exons	86..790		

Seq. No.	36684	Seq. ID	OJ990318_19.9C10.C21
Gene No.	75551	Strand	-
Start	407	End	534
Name	OJ990318_19.9C10.C21.o1.gs	Method	GENSCAN
Start	407	End	534
GI	none	Score	.62
Exons	407..534		

Seq. No.	36685	Seq. ID	OJ990318_19.9C10.C22
Gene No.	75552	Strand	+
Start	179	End	478
Name	OJ990318_19.9C10.C22.o1.gs	Method	GENSCAN
Start	179	End	478
GI	none	Score	.49
Exons	179..181, 377..478		

Seq. No.	36686	Seq. ID	OJ990318_19.9C10.C24
Gene No.	75553	Strand	+
Start	281	End	1048
Name	OJ990318_19.9C10.C24.o1.np	Method	AAT/NAP
Start	281	End	1048
GI	6692688	Score	225
Exons	281..337, 413..473, 546..627, 700..749, 899..1048		
GI Descrip.	(AC007592) F12K11.17 [Arabidopsis thaliana]		

Seq. No.	36686	Seq. ID	OJ990318_19.9C10.C24
Gene No.	75553	Strand	+
Start	281	End	1048
Name	OJ990318_19.9C10.C24.o1.ts	Method	TBLASTX:Soybean
Start	555	End	993
GI	none	Score	79
Exons	555..626, 563..676, 563..622, 699..773, 899..988, 899..982, 901..993		

Seq. No.	36687	Seq. ID	OJ990318_19.9C10.C25
Gene No.	75554	Strand	+
Start	305	End	460
Name	OJ990318_19.9C10.C25.o1.gs	Method	GENSCAN
Start	305	End	460
GI	none	Score	.6
Exons	305..460		

Seq. No.	36688	Seq. ID	OJ990318_19.9C10.C26
Gene No.	75555	Strand	-

Start	240	End	452
Name	OJ990318_19.9C10.C26.o1.gs	Method	GENSCAN
Start	240	End	452
GI	none	Score	.62
Exons	240..452		

Seq. No.	36689	Seq. ID	OJ990318_19.9C10.C28
Gene No.	75556	Strand	+
Start	928	End	958
Name	OJ990318_19.9C10.C28.o1.gs	Method	GENSCAN
Start	928	End	958
GI	none	Score	.74
Exons	928..958		

Seq. No.	36690	Seq. ID	OJ990318_19.9C10.C29
Gene No.	75557	Strand	+
Start	23	End	606
Name	OJ990318_19.9C10.C29.o1.gs	Method	GENSCAN
Start	23	End	606
GI	none	Score	.49
Exons	23..59, 563..606		

Seq. No.	36691	Seq. ID	OJ990318_19.9C10.C30
Gene No.	75558	Strand	-
Start	806	End	986
Name	OJ990318_19.9C10.C30.o1.gs	Method	GENSCAN
Start	806	End	986
GI	none	Score	.84
Exons	806..851, 973..986		

Seq. No.	36692	Seq. ID	OJ990318_19.9C10.C31
Gene No.	75559	Strand	+
Start	37	End	452
Name	OJ990318_19.9C10.C31.o1.gs	Method	GENSCAN
Start	37	End	452
GI	none	Score	.48
Exons	37..175, 262..452		

Seq. No.	36693	Seq. ID	OJ990318_19.9C10.C32
Gene No.	75560	Strand	+
Start	159	End	292
Name	OJ990318_19.9C10.C32.o1.gs	Method	GENSCAN
Start	159	End	292
GI	none	Score	.63
Exons	159..292		

Seq. No.	36694	Seq. ID	OJ990318_19.9C10.C33
Gene No.	75561	Strand	+
Start	82	End	417
Name	OJ990318_19.9C10.C33.o1.gs	Method	GENSCAN
Start	82	End	417
GI	none	Score	.88
Exons	82..159, 199..417		

Seq. No.	36695	Seq. ID	OJ990318_19.9C10.C34
Gene No.	75562	Strand	+
Start	1	End	534

Name	OJ990318_19.9C10.C34.o1.np	Method	AAT/NAP
Start	1	End	534
GI	4836907	Score	175
Exons	1..215, 298..382, 477..534		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	36696	Seq. ID	OJ990318_19.9C10.C36
Gene No.	75563	Strand	+
Start	1	End	641
Name	OJ990318_19.9C10.C36.o1.gp	Method	AAT/GAP
Start	1	End	504
GI	11928_1.R1084	Score	956
Exons	1..504		
GI Descrip.	'549010/sp|P35614|ERF1_ARATH 1.0e-107 EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) >gi_322554_pir__S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana >gi_16514_emb_CAA49172_ (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] >gi_1402882_emb_'		

Seq. No.	36696	Seq. ID	OJ990318_19.9C10.C36
Gene No.	75563	Strand	+
Start	1	End	641
Name	OJ990318_19.9C10.C36.o1.np	Method	AAT/NAP
Start	1	End	641
GI	549010	Score	971
Exons	1..641		
GI Descrip.	EUKARYOTIC PEPTIDE CHAIN RELEASE FACTOR SUBUNIT 1 (ERF1) (OMNIPOTENT SUPPRESSOR PROTEIN 1 HOMOLOG) (SUP1 HOMOLOG) gi|322554|pir||S31328 omnipotent suppressor protein SUP1 homolog (clone G18) - Arabidopsis thaliana gi|16514|emb|CAA49172| (X69375) similar to yeast omnipotent suppressor protein SUP1 (SUP45) [Arabidopsis thaliana] gi|1402882|emb|CAA66813| (X98130) euka		

Seq. No.	36696	Seq. ID	OJ990318_19.9C10.C36
Gene No.	75563	Strand	+
Start	1	End	641
Name	OJ990318_19.9C10.C36.o1.tm	Method	TBLASTX:Maize
Start	10	End	629
GI	none	Score	631
Exons	10..627, 11..628, 12..629		

Seq. No.	36696	Seq. ID	OJ990318_19.9C10.C36
Gene No.	75563	Strand	+
Start	1	End	641
Name	OJ990318_19.9C10.C36.o1.ts	Method	TBLASTX:Soybean
Start	11	End	630
GI	none	Score	1001
Exons	11..628, 12..629, 13..630, 13..630		

Seq. No.	36696	Seq. ID	OJ990318_19.9C10.C36
Gene No.	75563	Strand	+
Start	1	End	641
Name	OJ990318_19.9C10.C36.o1.tc	Method	TBLASTX:Cress

Start	11	End	630
GI	none	Score	473
Exons	11..628, 11..628, 12..629, 13..630		

Seq. No.	36696	Seq. ID	OJ990318_19.9C10.C36
Gene No.	75563	Strand	+
Start	1	End	641
Name	OJ990318_19.9C10.C36.o1.gs	Method	GENSCAN
Start	85	End	617
GI	none	Score	.68
Exons	85..617		

Seq. No.	36696	Seq. ID	OJ990318_19.9C10.C36
Gene No.	75563	Strand	+
Start	1	End	641
Name	OJ990318_19.9C10.C36.o1.tw	Method	TBLASTX:Wheat
Start	329	End	630
GI	none	Score	284
Exons	329..628, 330..629, 338..628, 339..629, 349..630		

Seq. No.	36697	Seq. ID	OJ990318_19.9C10.C37
Gene No.	75564	Strand	-
Start	1	End	651
Name	OJ990318_19.9C10.C37.o1.np	Method	AAT/NAP
Start	1	End	651
GI	4726111	Score	118
Exons	1..190, 627..651		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36697	Seq. ID	OJ990318_19.9C10.C37
Gene No.	75564	Strand	-
Start	1	End	651
Name	OJ990318_19.9C10.C37.o1.gs	Method	GENSCAN
Start	69	End	190
GI	none	Score	1
Exons	69..190		

Seq. No.	36698	Seq. ID	OJ990318_19.9C10.C38
Gene No.	75565	Strand	-
Start	1	End	673
Name	OJ990318_19.9C10.C38.o1.np	Method	AAT/NAP
Start	1	End	183
GI	6015495	Score	64
Exons	1..183		
GI Descrip.	(AJ250130) putative transcripton factor [Anabaena PCC7120]		

Seq. No.	36698	Seq. ID	OJ990318_19.9C10.C38
Gene No.	75565	Strand	-
Start	1	End	673
Name	OJ990318_19.9C10.C38.o1.tm	Method	TBLASTX:Maize
Start	7	End	673
GI	none	Score	145
Exons	7..186, 41..193, 41..184, 294..320, 296..325, 622..672, 626..673		

Seq. No.	36698	Seq. ID	OJ990318_19.9C10.C38
Gene No.	75565	Strand	-
Start	1	End	673

Name	OJ990318_19.9C10.C38.o1.gs	Method	GENSCAN
Start	69	End	183
GI	none	Score	.64
Exons	69..183		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75566	Strand	+
Start	5173	End	10934
Name	OJ990318_19.9C10.C40.o1.gp	Method	AAT/GAP
Start	5127	End	5707
GI	uC-osroM202025g06b1	Score	898
Exons	5127..5422, 5533..5707		
GI Descrip.	'3522942/gb|AAC34224.1| 8.0e-28 (AC004411) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75566	Strand	+
Start	5173	End	10934
Name	OJ990318_19.9C10.C40.o2.gs	Method	GENSCAN
Start	5173	End	10934
GI	none	Score	.93
Exons	5173..5422, 5512..6155, 7111..7626, 7895..8047, 8448..8495, 10439..10526, 10765..10934		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75566	Strand	+
Start	5173	End	10934
Name	OJ990318_19.9C10.C40.o1.np	Method	AAT/NAP
Start	5311	End	8026
GI	5734768	Score	1486
Exons	5311..5422, 5548..6155, 7111..7626, 7895..8026		
GI Descrip.	(AC007651) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75566	Strand	+
Start	5173	End	10934
Name	OJ990318_19.9C10.C40.o2.gp	Method	AAT/GAP
Start	7204	End	8139
GI	40964_1.R1084	Score	1264
Exons	7204..7626, 7895..8139		
GI Descrip.	'5734768/gb|AAD50033.1|AC007651_28 5.0e-80 (AC007651) Hypothetical Protein [Arabidopsis thaliana]'		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75567	Strand	+
Start	18091	End	30593
Name	OJ990318_19.9C10.C40.o4.gs	Method	GENSCAN
Start	18091	End	24926
GI	none	Score	.44
Exons	18091..18383, 18428..18537, 18795..18847, 18957..19088, 19188..19220, 19496..19525, 19619..19719, 19860..21004, 21164..21216, 21280..22036, 23184..23837, 23913..24011, 24868..24926		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75567	Strand	+
Start	18091	End	30593

Name	OJ990318_19.9C10.C40.o4.np	Method	AAT/NAP
Start	18141	End	30593
GI	6069646	Score	2066
Exons	18141..18191, 25704..26318, 26599..27402, 30416..30593		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75567	Strand	+
Start	18091	End	30593
Name	OJ990318_19.9C10.C40.o3.np	Method	AAT/NAP
Start	19462	End	24022
GI	4585985	Score	2077
Exons	19462..19508, 19734..20286, 20518..21004, 21164..22452, 22675..23131, 23159..24022		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75568	Strand	-
Start	11211	End	14583
Name	OJ990318_19.9C10.C40.o3.gs	Method	GENSCAN
Start	11211	End	14526
GI	none	Score	.71
Exons	11211..11362, 11876..12148, 14244..14526		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75568	Strand	-
Start	11211	End	14583
Name	OJ990318_19.9C10.C40.o2.np	Method	AAT/NAP
Start	11747	End	14526
GI	3157943	Score	390
Exons	11747..12148, 14244..14526		
GI Descrip.	(AC002131) Contains similarity to BAP31 protein gb|X81816 from Mus musculus. [Arabidopsis thaliana]		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75568	Strand	-
Start	11211	End	14583
Name	OJ990318_19.9C10.C40.o3.gp	Method	AAT/GAP
Start	14237	End	14583
GI	2311270	Score	567
Exons	14237..14583		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75569	Strand	-
Start	25438	End	28487
Name	OJ990318_19.9C10.C40.o5.gs	Method	GENSCAN
Start	25438	End	28304
GI	none	Score	.52
Exons	25438..25598, 25763..25844, 26082..26227, 26244..26383, 26402..26483, 26935..27294, 28238..28304		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75569	Strand	-

Start	25438	End	28487
Name	OJ990318_19.9C10.C40.o5.gp	Method	AAT/GAP
Start	28106	End	28487
GI	uC-osflcyp033a04b1	Score	651
Exons	28106..28487		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o3.tc	Method	TBLASTX:Cress
Start	5230	End	5768
GI	none	Score	195
Exons	5230..5418, 5304..5417, 5547..5768, 5663..5767		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o1.ts	Method	TBLASTX:Soybean
Start	5281	End	6110
GI	none	Score	222
Exons	5281..5418, 5304..5432, 5571..5630, 5582..5629, 5631..5816, 5633..5794, 5843..5866, 5844..5879, 5931..5972, 5973..6017, 6024..6110		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o10.tm	Method	TBLASTX:Maize
Start	5284	End	5420
GI	none	Score	209
Exons	5284..5418, 5293..5361, 5304..5420		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o3.tm	Method	TBLASTX:Maize
Start	5768	End	7205
GI	none	Score	39
Exons	5768..5794, 5768..5839, 5783..5881, 5795..5881, 5796..5954, 5874..5897, 5945..6043, 5949..6029, 5997..6152, 6011..6154, 6012..6152, 7090..7203, 7113..7205, 7113..7205		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o2.tc	Method	TBLASTX:Cress
Start	5772	End	7266
GI	none	Score	74
Exons	5772..5843, 5828..5878, 5844..5879, 5973..6020, 5981..6019, 6011..6157, 6018..6152, 7090..7266, 7110..7262		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o1.tm	Method	TBLASTX:Maize

Start	7206	End	7631
GI	none	Score	444
Exons	7206..7481, 7207..7482, 7476..7622, 7477..7626, 7492..7626, 7526..7627, 7533..7631		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o1.tc	Method	TBLASTX:Cress
Start	7332	End	8014
GI	none	Score	436
Exons	7332..7628, 7333..7626, 7891..8013, 7895..8014		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o2.ts	Method	TBLASTX:Soybean
Start	7390	End	8017
GI	none	Score	341
Exons	7390..7626, 7398..7622, 7498..7626, 7894..7980, 7895..7963, 7976..8017		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o3.ts	Method	TBLASTX:Soybean
Start	11764	End	12141
GI	none	Score	125
Exons	11764..11889, 11772..12140, 11971..12141		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o4.tm	Method	TBLASTX:Maize
Start	11819	End	14535
GI	none	Score	88
Exons	11819..12010, 11820..12158, 11821..12168, 14229..14288, 14242..14535, 14243..14530		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o4.ts	Method	TBLASTX:Soybean
Start	14242	End	14463
GI	none	Score	140
Exons	14242..14463, 14243..14407, 14245..14427		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o5.tm	Method	TBLASTX:Maize
Start	19936	End	20448
GI	none	Score	69
Exons	19936..19989, 20005..20061, 20101..20448, 20391..20447		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-

Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o2.tw	Method	TBLASTX:Wheat
Start	20644	End	20987
GI	none	Score	193
Exons	20644..20895, 20787..20894, 20892..20987, 20893..20973		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o9.tm	Method	TBLASTX:Maize
Start	20689	End	21234
GI	none	Score	157
Exons	20689..20880, 20778..20879, 20892..20993, 20893..20994, 21151..21234		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o7.tm	Method	TBLASTX:Maize
Start	22823	End	23191
GI	none	Score	271
Exons	22823..23191, 22826..23107, 22840..23112		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o4.tc	Method	TBLASTX:Cress
Start	23495	End	23752
GI	none	Score	205
Exons	23495..23752, 23506..23751		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o8.tm	Method	TBLASTX:Maize
Start	23497	End	23818
GI	none	Score	204
Exons	23497..23637, 23498..23743, 23729..23818		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o5.ts	Method	TBLASTX:Soybean
Start	23744	End	23926
GI	none	Score	214
Exons	23744..23926, 23791..23913		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o4.tw	Method	TBLASTX:Wheat
Start	25776	End	26045
GI	none	Score	178
Exons	25776..26045, 25949..26044		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-

Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o2.tm	Method	TBLASTX:Maize
Start	25851	End	26535
GI	none	Score	503
Exons	25851..26009, 25863..26441, 25952..26011, 26080..26157, 26168..26440, 26452..26535, 26452..26529		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o1.tw	Method	TBLASTX:Wheat
Start	26181	End	26616
GI	none	Score	184
Exons	26181..26441, 26183..26437, 26482..26616		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o6.tm	Method	TBLASTX:Maize
Start	27008	End	27340
GI	none	Score	271
Exons	27008..27340, 27127..27252		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o3.tw	Method	TBLASTX:Wheat
Start	27101	End	27295
GI	none	Score	197
Exons	27101..27295, 27130..27252		

Seq. No.	36699	Seq. ID	OJ990318_19.9C10.C40
Gene No.	75570	Strand	-
Start	29355	End	29936
Name	OJ990318_19.9C10.C40.o6.gs	Method	GENSCAN
Start	29355	End	29936
GI	none	Score	.87
Exons	29355..29936		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75571	Strand	+
Start	1	End	11443
Name	OJ990318_19.9C10.C41.o1.np	Method	AAT/NAP
Start	1	End	4430
GI	4680179	Score	5266
Exons	1..995, 1029..4430		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75571	Strand	+
Start	1	End	11443
Name	OJ990318_19.9C10.C41.o1.gs	Method	GENSCAN
Start	246	End	11443
GI	none	Score	.61
Exons	246..3279, 3337..4416, 5144..5436, 5616..5738, 5996..6065, 7757..7843, 8387..8527, 8684..8811, 9179..9292, 9360..9485, 9498..9551, 9658..9680, 9848..10052, 10064..10518, 10655..10800,		

10911..11257, 11291..11443

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75571	Strand	+
Start	1	End	11443
Name	OJ990318_19.9C10.C41.o2.gp	Method	AAT/GAP
Start	6517	End	6902
GI	uC-osflcyp033a04b1	Score	649
Exons	6517..6902		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75571	Strand	+
Start	1	End	11443
Name	OJ990318_19.9C10.C41.o3.np	Method	AAT/NAP
Start	9296	End	10519
GI	6721561	Score	1173
Exons	9296..9551, 9622..9680, 9755..10519		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75572	Strand	+
Start	23038	End	36819
Name	OJ990318_19.9C10.C41.o5.np	Method	AAT/NAP
Start	22459	End	36819
GI	4680186	Score	318
Exons	22459..22494, 27982..28026, 35724..35779, 36618..36819		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75572	Strand	+
Start	23038	End	36819
Name	OJ990318_19.9C10.C41.o3.gs	Method	GENSCAN
Start	23038	End	25358
GI	none	Score	.42
Exons	23038..24552, 25278..25358		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75573	Strand	-
Start	6446	End	8399
Name	OJ990318_19.9C10.C41.o2.np	Method	AAT/NAP
Start	6446	End	8399
GI	4680186	Score	232
Exons	6446..6650, 8262..8399		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75574	Strand	-
Start	12045	End	20115
Name	OJ990318_19.9C10.C41.o2.gs	Method	GENSCAN
Start	12045	End	20115
GI	none	Score	.68

Exons	12045..12599, 12648..12848, 12984..13698, 13837..14084, 14148..14857, 15009..15174, 15343..16943, 17067..17758, 18066..18333, 18355..18428, 20093..20115		
Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75574	Strand	-
Start	12045	End	20115
Name	OJ990318_19.9C10.C41.o4.np	Method	AAT/NAP
Start	12081	End	18732
GI	5922631	Score	3016
Exons	12081..13289, 13329..14630, 15238..16047, 16171..16425, 16468..16897, 18640..18732		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o10.tw	Method	TBLASTX:Wheat
Start	389	End	740
GI	none	Score	293
Exons	389..583, 390..740		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o7.tm	Method	TBLASTX:Maize
Start	390	End	695
GI	none	Score	232
Exons	390..695, 404..520		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o10.tm	Method	TBLASTX:Maize
Start	1020	End	1373
GI	none	Score	187
Exons	1020..1373, 1106..1189		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o12.tw	Method	TBLASTX:Wheat
Start	1056	End	1478
GI	none	Score	163
Exons	1056..1265, 1106..1264, 1310..1423, 1311..1478		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o4.tm	Method	TBLASTX:Maize
Start	1725	End	15083

GI	none	Score	159
Exons	1725..1955, 14736..15083, 14821..15027		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o4.tw	Method	TBLASTX:Wheat
Start	1725	End	15219
GI	none	Score	137
Exons	1725..1943, 14763..15077, 14775..15077, 14812..15099, 15082..15219, 15089..15211		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o14.tw	Method	TBLASTX:Wheat
Start	1953	End	2072
GI	none	Score	183
Exons	1953..2072, 1961..2071		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o3.tm	Method	TBLASTX:Maize
Start	1962	End	14735
GI	none	Score	167
Exons	1962..2141, 1970..2116, 2148..2462, 2288..2341, 2369..2419, 14256..14618, 14598..14735		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o1.ts	Method	TBLASTX:Soybean
Start	2016	End	14678
GI	none	Score	53
Exons	2016..2048, 2016..2048, 2052..2411, 2054..2092, 2120..2410, 2143..2412, 14307..14678		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o5.tw	Method	TBLASTX:Wheat
Start	2073	End	14648
GI	none	Score	160
Exons	2073..2426, 14224..14601, 14226..14648, 14388..14645		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o3.tw	Method	TBLASTX:Wheat
Start	2427	End	2849
GI	none	Score	598
Exons	2427..2849, 2459..2848		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791

Name	OJ990318_19.9C10.C41.o3.ts	Method	TBLASTX:Soybean
Start	2433	End	2678
GI	none	Score	207
Exons	2433..2678, 2450..2578		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o2.tm	Method	TBLASTX:Maize
Start	2498	End	2852
GI	none	Score	482
Exons	2498..2848, 2499..2852		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o2.tw	Method	TBLASTX:Wheat
Start	2852	End	3419
GI	none	Score	641
Exons	2852..3415, 2883..3419, 2964..3419		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o2.ts	Method	TBLASTX:Soybean
Start	3207	End	3468
GI	none	Score	288
Exons	3207..3467, 3212..3466, 3331..3468		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o5.tm	Method	TBLASTX:Maize
Start	3231	End	3485
GI	none	Score	366
Exons	3231..3485, 3233..3475		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o1.tw	Method	TBLASTX:Wheat
Start	3426	End	12725
GI	none	Score	707
Exons	3426..4052, 3432..3767, 3482..3940, 3927..4049, 12387..12542, 12576..12725		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o1.tm	Method	TBLASTX:Maize
Start	3606	End	4205
GI	none	Score	231
Exons	3606..3767, 3608..3760, 3764..4189, 3765..4205		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791

Name	OJ990318_19.9C10.C41.o7.tw	Method	TBLASTX:Wheat
Start	4052	End	4385
GI	none	Score	325
Exons	4052..4321, 4053..4385, 4056..4364		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o8.tm	Method	TBLASTX:Maize
Start	12180	End	12443
GI	none	Score	200
Exons	12180..12443		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o8.tw	Method	TBLASTX:Wheat
Start	12789	End	13169
GI	none	Score	51
Exons	12789..12842, 12790..12834, 12852..13169, 12853..13161		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o6.tm	Method	TBLASTX:Maize
Start	12864	End	13169
GI	none	Score	140
Exons	12864..13169, 12865..13083		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o13.tw	Method	TBLASTX:Wheat
Start	13374	End	13632
GI	none	Score	78
Exons	13374..13631, 13492..13632		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o9.tw	Method	TBLASTX:Wheat
Start	13671	End	14079
GI	none	Score	106
Exons	13671..13844, 13852..14079, 13854..14078		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o6.tw	Method	TBLASTX:Wheat
Start	15412	End	15867
GI	none	Score	97
Exons	15412..15648, 15469..15636, 15530..15646, 15685..15867, 15686..15859		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791

Name	OJ990318_19.9C10.C41.o11.tw	Method	TBLASTX:Wheat
Start	16450	End	16848
GI	none	Score	68
Exons	16450..16848, 16550..16723, 16796..16834		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o9.tm	Method	TBLASTX:Maize
Start	16612	End	16851
GI	none	Score	190
Exons	16612..16851		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o4.gs	Method	GENSCAN
Start	27996	End	36791
GI	none	Score	.44
Exons	27996..28164, 28282..28471, 28506..28621, 28932..29193, 29773..29828, 30342..30453, 30489..30517, 31303..31420, 32762..32887, 32989..33133, 33405..33537, 36703..36791		

Seq. No.	36700	Seq. ID	OJ990318_19.9C10.C41
Gene No.	75575	Strand	-
Start	27996	End	36791
Name	OJ990318_19.9C10.C41.o3.gp	Method	AAT/GAP
Start	36367	End	36752
GI	uC-osflcyp033a04b1	Score	637
Exons	36367..36752		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36701	Seq. ID	OJ990318_19.9C10.C44
Gene No.	75576	Strand	+
Start	417	End	463
Name	OJ990318_19.9C10.C44.o1.gs	Method	GENSCAN
Start	417	End	463
GI	none	Score	.89
Exons	417..463		

Seq. No.	36702	Seq. ID	OJ990318_19.9C10.C45
Gene No.	75577	Strand	-
Start	1	End	625
Name	OJ990318_19.9C10.C45.o1.np	Method	AAT/NAP
Start	1	End	625
GI	3136096	Score	143
Exons	1..114, 222..300, 379..459, 598..625		
GI Descrip.	(AF032988) spindle assembly checkpoint protein SLDB [Emericella nidulans]		

Seq. No.	36702	Seq. ID	OJ990318_19.9C10.C45
Gene No.	75577	Strand	-
Start	1	End	625
Name	OJ990318_19.9C10.C45.o1.tm	Method	TBLASTX:Maize
Start	38	End	463
GI	none	Score	84

Exons	38..106, 38..154, 222..299, 229..297, 240..299, 372..458, 376..459, 378..461, 386..463		
Seq. No.	36703	Seq. ID	OJ990318_19.9C10.C46
Gene No.	75578	Strand	-
Start	1	End	481
Name	OJ990318_19.9C10.C46.o1.np	Method	AAT/NAP
Start	1	End	481
GI	4006886	Score	306
Exons	1..80, 168..481		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana]		
Seq. No.	36703	Seq. ID	OJ990318_19.9C10.C46
Gene No.	75578	Strand	-
Start	1	End	481
Name	OJ990318_19.9C10.C46.o1.ts	Method	TBLASTX:Soybean
Start	1	End	383
GI	none	Score	100
Exons	1..87, 15..80, 19..87, 161..382, 171..383, 172..381		
Seq. No.	36703	Seq. ID	OJ990318_19.9C10.C46
Gene No.	75578	Strand	-
Start	1	End	481
Name	OJ990318_19.9C10.C46.o1.tm	Method	TBLASTX:Maize
Start	15	End	383
GI	none	Score	116
Exons	15..80, 19..87, 167..382, 171..383, 172..381		
Seq. No.	36703	Seq. ID	OJ990318_19.9C10.C46
Gene No.	75578	Strand	-
Start	1	End	481
Name	OJ990318_19.9C10.C46.o1.gs	Method	GENSCAN
Start	168	End	380
GI	none	Score	.7
Exons	168..380		
Seq. No.	36703	Seq. ID	OJ990318_19.9C10.C46
Gene No.	75578	Strand	-
Start	1	End	481
Name	OJ990318_19.9C10.C46.o1.tc	Method	TBLASTX:Cress
Start	171	End	383
GI	none	Score	200
Exons	171..383, 193..381, 195..383		
Seq. No.	36704	Seq. ID	OJ990318_19.9C10.C47
Gene No.	75579	Strand	-
Start	318	End	398
Name	OJ990318_19.9C10.C47.o1.gp	Method	AAT/GAP
Start	318	End	398
GI	uC-osflcyp121e07b1	Score	130
Exons	318..398		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 7.0e-19 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	36705	Seq. ID	OJ990318_19.9C10.C48
Gene No.	75580	Strand	+
Start	1	End	1161

Name	OJ990318_19.9C10.C48.o1.gp	Method	AAT/GAP
Start	1	End	141
GI	2800481	Score	157
Exons	1..141		
GI Descrip.	4760545/dbj|BAA77333.1| 4.0e-17 (AB019492) IDN4-GGTR14 [Homo sapiens]		

Seq. No.	36705	Seq. ID	OJ990318_19.9C10.C48
Gene No.	75580	Strand	+
Start	1	End	1161
Name	OJ990318_19.9C10.C48.o1.np	Method	AAT/NAP
Start	1	End	1161
GI	4028981	Score	149
Exons	1..103, 1123..1161		
GI Descrip.	(AJ005324) glutamate permease [synthetic construct] gi|4028987|emb|CAA06474| (AJ005327) glutamate permease [synthetic construct] gi|4028993|emb|CAA06477| (AJ005330) glutamate permease [synthetic construct]		

Seq. No.	36705	Seq. ID	OJ990318_19.9C10.C48
Gene No.	75581	Strand	-
Start	144	End	828
Name	OJ990318_19.9C10.C48.o1.gs	Method	GENSCAN
Start	144	End	828
GI	none	Score	.47
Exons	144..358, 782..828		

Seq. No.	36705	Seq. ID	OJ990318_19.9C10.C48
Gene No.	75582	Strand	-
Start	1086	End	1161
Name	OJ990318_19.9C10.C48.o2.gp	Method	AAT/GAP
Start	1086	End	1161
GI	2799165	Score	130
Exons	1086..1161		
GI Descrip.	225174/prf||1210248A 2.0e-11 glutelin precursor [Oryza sativa]		

Seq. No.	36706	Seq. ID	OJ990318_19.9C10.C49
Gene No.	75583	Strand	+
Start	1	End	681
Name	OJ990318_19.9C10.C49.o1.np	Method	AAT/NAP
Start	1	End	681
GI	5852093	Score	76
Exons	1..80, 423..530, 653..681		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	36707	Seq. ID	OJ990318_19.9C10.C50
Gene No.	75584	Strand	+
Start	608	End	664
Name	OJ990318_19.9C10.C50.o1.gs	Method	GENSCAN
Start	608	End	664
GI	none	Score	.72
Exons	608..664		

Seq. No.	36708	Seq. ID	OJ990318_19.9C10.C51
Gene No.	75585	Strand	-
Start	1	End	612
Name	OJ990318_19.9C10.C51.o1.np	Method	AAT/NAP

Start	1	End	612
GI	2498930	Score	1026
Exons	1..612		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	36708	Seq. ID	OJ990318_19.9C10.C51
Gene No.	75585	Strand	-
Start	1	End	612
Name	OJ990318_19.9C10.C51.o1.gs	Method	GENSCAN
Start	15	End	514
GI	none	Score	.87
Exons	15..514		

Seq. No.	36709	Seq. ID	OJ990708_13.9C23.C1
Gene No.	75586	Strand	-
Start	1	End	404
Name	OJ990708_13.9C23.C1.o1.np	Method	AAT/NAP
Start	1	End	404
GI	5305335	Score	148
Exons	1..404		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o1.np	Method	AAT/NAP
Start	1	End	1944
GI	4581164	Score	1288
Exons	1..988, 1122..1944		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o1.gs	Method	GENSCAN
Start	252	End	4261
GI	none	Score	.56
Exons	252..1089, 1274..1416, 1693..1829, 2446..3757, 4112..4261		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o3.tm	Method	TBLASTX:Maize
Start	252	End	494
GI	none	Score	221
Exons	252..494		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o2.tw	Method	TBLASTX:Wheat
Start	252	End	590
GI	none	Score	82
Exons	252..590, 346..585		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	495	End	1106
GI	none	Score	304
Exons	495..1106, 649..1104		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o3.tw	Method	TBLASTX:Wheat
Start	690	End	1362
GI	none	Score	86
Exons	690..755, 1141..1362, 1154..1273, 1156..1362		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o3.ts	Method	TBLASTX:Soybean
Start	772	End	1031
GI	none	Score	44
Exons	772..849, 786..1031, 880..1029		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o4.tw	Method	TBLASTX:Wheat
Start	870	End	1121
GI	none	Score	181
Exons	870..1121		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	1065	End	1386
GI	none	Score	216
Exons	1065..1121, 1126..1386		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o5.tm	Method	TBLASTX:Maize
Start	1123	End	1308
GI	none	Score	109
Exons	1123..1308, 1126..1308		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o2.tm	Method	TBLASTX:Maize
Start	1309	End	1785
GI	none	Score	67
Exons	1309..1785, 1312..1467, 1352..1780		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	1363	End	1845
GI	none	Score	202
Exons	1363..1845, 1367..1834		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	1393	End	1716
GI	none	Score	70
Exons	1393..1716, 1394..1693		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o2.ts	Method	TBLASTX:Soybean
Start	1495	End	1819
GI	none	Score	97
Exons	1495..1809, 1496..1819		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o4.tm	Method	TBLASTX:Maize
Start	2085	End	2391
GI	none	Score	59
Exons	2085..2390, 2094..2204, 2107..2205, 2293..2391		

Seq. No.	36710	Seq. ID	OJ990708_13.9C23.C3
Gene No.	75587	Strand	-
Start	1	End	4261
Name	OJ990708_13.9C23.C3.o6.tm	Method	TBLASTX:Maize
Start	2843	End	3247
GI	none	Score	57
Exons	2843..3103, 2847..3008, 3146..3247		

Seq. No.	36711	Seq. ID	OJ990708_13.9C23.C4
Gene No.	75588	Strand	+
Start	3025	End	3126
Name	OJ990708_13.9C23.C4.o1.gp	Method	AAT/GAP
Start	3025	End	3126
GI	LIB3477-003-P1-K1-E9	Score	135
Exons	3025..3126		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_117355 7 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36711	Seq. ID	OJ990708_13.9C23.C4
Gene No.	75589	Strand	+
Start	3405	End	6698
Name	OJ990708_13.9C23.C4.o2.np	Method	AAT/NAP
Start	3405	End	4709
GI	5777617	Score	79

Exons	3405..3437, 4570..4709		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	36711	Seq. ID	OJ990708_13.9C23.C4
Gene No.	75589	Strand	+
Start	3405	End	6698
Name	OJ990708_13.9C23.C4.o3.np	Method	AAT/NAP
Start	3847	End	6698
GI	3510256	Score	113
Exons	3847..3885, 5470..5508, 5643..5733, 5896..5954, 6652..6698		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		
Seq. No.	36711	Seq. ID	OJ990708_13.9C23.C4
Gene No.	75589	Strand	+
Start	3405	End	6698
Name	OJ990708_13.9C23.C4.o2.gs	Method	GENSCAN
Start	4870	End	6450
GI	none	Score	.76
Exons	4870..5012, 5370..5508, 5643..5729, 6166..6332, 6343..6450		
Seq. No.	36711	Seq. ID	OJ990708_13.9C23.C4
Gene No.	75589	Strand	+
Start	3405	End	6698
Name	OJ990708_13.9C23.C4.o2.gp	Method	AAT/GAP
Start	5465	End	5953
GI	1248_1.R1084	Score	272
Exons	5465..5508, 5643..5729, 5885..5953		
GI Descrip.	'3510256 5.0e-19 (AC005310) unknown protein [Arabidopsis thaliana]'		
Seq. No.	36711	Seq. ID	OJ990708_13.9C23.C4
Gene No.	75590	Strand	-
Start	1310	End	3034
Name	OJ990708_13.9C23.C4.o1.np	Method	AAT/NAP
Start	1310	End	3034
GI	5922623	Score	186
Exons	1310..1524, 2016..2091, 2259..2413, 2961..3034		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	36711	Seq. ID	OJ990708_13.9C23.C4
Gene No.	75591	Strand	-
Start	6481	End	6698
Name	OJ990708_13.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	195	End	886
GI	none	Score	69
Exons	195..296, 212..298, 213..284, 226..300, 242..298, 328..411, 368..451, 457..585, 469..579, 479..586, 480..578, 487..591, 488..586, 494..586, 501..578, 502..570, 575..682, 579..683, 586..609, 587..655, 587..652, 665..736, 666..743, 671..862, 674..823, 680..841, 698..877, 716..841, 720..857, 731..886		
Seq. No.	36711	Seq. ID	OJ990708_13.9C23.C4
Gene No.	75591	Strand	-
Start	6481	End	6698
Name	OJ990708_13.9C23.C4.o4.np	Method	AAT/NAP

Start	6481	End	6698
GI	5777617	Score	82
Exons	6481..6698		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75592	Strand	+
Start	287	End	497
Name	OJ990708_13.9C23.C5.o1.gs	Method	GENSCAN
Start	287	End	497
GI	none	Score	.45
Exons	287..497		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75593	Strand	+
Start	13598	End	22820
Name	OJ990708_13.9C23.C5.o3.np	Method	AAT/NAP
Start	13598	End	22820
GI	6691191	Score	652
Exons	13598..13659, 19200..19265, 20914..21268, 22374..22820		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75593	Strand	+
Start	13598	End	22820
Name	OJ990708_13.9C23.C5.o4.gs	Method	GENSCAN
Start	14082	End	14949
GI	none	Score	.97
Exons	14082..14325, 14918..14949		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75594	Strand	+
Start	30330	End	35633
Name	OJ990708_13.9C23.C5.o5.np	Method	AAT/NAP
Start	30330	End	35633
GI	4680207	Score	813
Exons	30330..31206, 33558..35633		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75594	Strand	+
Start	30330	End	35633
Name	OJ990708_13.9C23.C5.o7.np	Method	AAT/NAP
Start	30613	End	35633
GI	4680207	Score	693
Exons	30613..31206, 33558..35633		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75595	Strand	-
Start	10967	End	27462
Name	OJ990708_13.9C23.C5.o3.gs	Method	GENSCAN
Start	10967	End	13576
GI	none	Score	.72
Exons	10967..11099, 11313..11370, 11799..11889, 12425..12640,		

12928..13262, 13411..13576

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75595	Strand	-
Start	10967	End	27462
Name	OJ990708_13.9C23.C5.o1.np	Method	AAT/NAP
Start	12486	End	18620
GI	4581164	Score	1449
Exons	12486..12994, 13180..13708, 17139..17363, 17417..17595, 17730..18620		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75595	Strand	-
Start	10967	End	27462
Name	OJ990708_13.9C23.C5.o5.gs	Method	GENSCAN
Start	15282	End	23493
GI	none	Score	.61
Exons	15282..16168, 16337..17274, 18051..18110, 18214..18376, 18416..18719, 18748..18876, 18961..19404, 19526..19577, 20475..20695, 21584..21641, 23077..23220, 23423..23493		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75595	Strand	-
Start	10967	End	27462
Name	OJ990708_13.9C23.C5.o4.np	Method	AAT/NAP
Start	23043	End	26845
GI	6705984	Score	3477
Exons	23043..23117, 24138..26845		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75595	Strand	-
Start	10967	End	27462
Name	OJ990708_13.9C23.C5.o6.gs	Method	GENSCAN
Start	23954	End	27462
GI	none	Score	.42
Exons	23954..24051, 25585..25689, 26010..26424, 26472..26655, 26721..26931, 27411..27462		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	12319	End	12913
GI	none	Score	61
Exons	12319..12375, 12410..12487, 12542..12745, 12561..12746, 12748..12870, 12748..12912, 12860..12913		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o6.tw	Method	TBLASTX:Wheat
Start	12533	End	12847
GI	none	Score	132
Exons	12533..12754, 12537..12749, 12545..12751, 12746..12847,		

12747..12797, 12748..12813

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	12914	End	24900
GI	none	Score	171
Exons	12914..13216, 12916..13224, 12916..13356, 12917..13357, 13352..13552, 13371..13457, 24467..24643, 24685..24900		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	12916	End	24628
GI	none	Score	163
Exons	12916..13077, 24231..24446, 24237..24437, 24241..24447, 24319..24447, 24446..24628, 24447..24623, 24454..24624, 24470..24628		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	13144	End	24852
GI	none	Score	95
Exons	13144..13356, 13148..13357, 13352..13516, 13371..13415, 24694..24852		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o4.tw	Method	TBLASTX:Wheat
Start	13153	End	25015
GI	none	Score	120
Exons	13153..13305, 24678..24845, 24679..24870, 24694..24852, 24828..25013, 24863..25015, 24922..25014		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	13324	End	25196
GI	none	Score	154
Exons	13324..13356, 13352..13426, 13427..13603, 24858..25196, 24860..25099, 25154..25192		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o5.tw	Method	TBLASTX:Wheat
Start	13385	End	13723
GI	none	Score	106
Exons	13385..13723, 13386..13643		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5

Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o13.tm	Method	TBLASTX:Maize
Start	13860	End	14388
GI	none	Score	154
Exons	13860..14066, 14110..14388		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o15.tm	Method	TBLASTX:Maize
Start	14537	End	14789
GI	none	Score	87
Exons	14537..14596, 14609..14788, 14610..14789		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o6.tm	Method	TBLASTX:Maize
Start	14823	End	21887
GI	none	Score	83
Exons	14823..15104, 14855..15124, 15096..15242, 15355..15486, 21251..21358, 21262..21333, 21388..21468, 21399..21467, 21455..21532, 21456..21686, 21667..21765, 21861..21887		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	15489	End	15887
GI	none	Score	106
Exons	15489..15887, 15513..15806, 15541..15867		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o9.tm	Method	TBLASTX:Maize
Start	16092	End	16482
GI	none	Score	156
Exons	16092..16481, 16108..16482		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	17438	End	25874
GI	none	Score	107
Exons	17438..17599, 17461..17595, 17573..17743, 17590..17742, 17744..17938, 17745..17933, 25505..25864, 25587..25874		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	17458	End	25742
GI	none	Score	194
Exons	17458..17595, 17590..17679, 25488..25742, 25490..25741		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o7.tw	Method	TBLASTX:Wheat
Start	17602	End	26055
GI	none	Score	78
Exons	17602..17742, 17727..17903, 17744..17938, 25655..25864, 25870..26055		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	17704	End	26127
GI	none	Score	77
Exons	17704..17742, 17744..17938, 17775..17939, 17926..18048, 25784..25864, 25870..26127		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o14.tm	Method	TBLASTX:Maize
Start	17950	End	26208
GI	none	Score	95
Exons	17950..18165, 18026..18151, 22575..22817, 25975..26208		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o3.tw	Method	TBLASTX:Wheat
Start	18037	End	26586
GI	none	Score	84
Exons	18037..18171, 18171..18521, 22460..22549, 22566..22766, 26104..26586, 26132..26323		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	18166	End	26595
GI	none	Score	120
Exons	18166..18402, 18171..18632, 18457..18615, 22454..22549, 26209..26595		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o5.ts	Method	TBLASTX:Soybean
Start	18249	End	26409
GI	none	Score	83
Exons	18249..18344, 21064..21261, 22352..22549, 22455..22550, 22459..22554, 22566..22595, 26275..26409		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420

Name	OJ990708_13.9C23.C5.o12.tm	Method	TBLASTX:Maize
Start	18739	End	19341
GI	none	Score	126
Exons	18739..18813, 18928..19170, 19168..19341		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o7.tm	Method	TBLASTX:Maize
Start	24192	End	24447
GI	none	Score	142
Exons	24192..24431, 24192..24446, 24334..24447		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o11.tm	Method	TBLASTX:Maize
Start	24903	End	25109
GI	none	Score	144
Exons	24903..25109, 24905..25099		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	25143	End	25568
GI	none	Score	454
Exons	25143..25568, 25152..25253, 25154..25567		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o6.ts	Method	TBLASTX:Soybean
Start	25295	End	25483
GI	none	Score	49
Exons	25295..25372, 25305..25370, 25367..25483, 25377..25475		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o9.tw	Method	TBLASTX:Wheat
Start	30245	End	30604
GI	none	Score	69
Exons	30245..30301, 30365..30604, 30367..30504, 30371..30604		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o10.tm	Method	TBLASTX:Maize
Start	30401	End	30928
GI	none	Score	239
Exons	30401..30634, 30401..30622, 30435..30659, 30662..30802, 30676..30846, 30797..30916, 30833..30928		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420

Name	OJ990708_13.9C23.C5.o8.tw	Method	TBLASTX:Wheat
Start	33687	End	34015
GI	none	Score	136
Exons	33687..33863, 33725..33862, 33850..33954, 33854..34015, 33855..33986		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o8.tm	Method	TBLASTX:Maize
Start	33731	End	34213
GI	none	Score	111
Exons	33731..33862, 33744..33863, 33744..33899, 33862..33954, 33863..33916, 33877..34008, 33944..34036, 33953..34036, 34046..34213, 34053..34187		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o1.gp	Method	AAT/GAP
Start	39950	End	43420
GI	3820_1.R1084	Score	1170
Exons	39950..40191, 40324..40384, 40799..40870, 40972..41021, 43106..43233, 43314..43420		
GI Descrip.	'729535/sp|P41347|FTRC_MAIZE 7.0e-56 FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)'		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o8.np	Method	AAT/NAP
Start	40150	End	43419
GI	729535	Score	431
Exons	40150..40191, 40324..40384, 40799..40870, 40972..41021, 43106..43227, 43314..43419		
GI Descrip.	FERREDOXIN-THIOREDOXIN REDUCTASE, CATALYTIC CHAIN PRECURSOR (FTR-C) (FERREDOXIN-THIOREDOXIN REDUCTASE SUBUNIT B) (FTR-B)		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o4.ts	Method	TBLASTX:Soybean
Start	40324	End	43198
GI	none	Score	90
Exons	40324..40386, 40328..40405, 40798..40872, 40798..40872, 40971..41033, 43106..43198, 43107..43193		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o2.tc	Method	TBLASTX:Cress
Start	40333	End	43198
GI	none	Score	80
Exons	40333..40386, 40334..40387, 40798..40869, 40798..40872, 40799..40873, 40971..41033, 43106..43198, 43107..43193		

Seq. No.	36712	Seq. ID	OJ990708_13.9C23.C5
Gene No.	75596	Strand	-
Start	42903	End	43420
Name	OJ990708_13.9C23.C5.o8.gs	Method	GENSCAN
Start	42903	End	43398
GI	none	Score	.71
Exons	42903..42941, 43106..43233, 43314..43398		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75597	Strand	+
Start	213	End	1426
Name	OJ990708_13.9C23.C7.o1.gs	Method	GENSCAN
Start	213	End	1426
GI	none	Score	.69
Exons	213..450, 1389..1426		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75598	Strand	+
Start	1932	End	2047
Name	OJ990708_13.9C23.C7.o1.gp	Method	AAT/GAP
Start	1932	End	2047
GI	uC-osflcyp088b12b1	Score	163
Exons	1932..2047		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75599	Strand	+
Start	2832	End	5380
Name	OJ990708_13.9C23.C7.o2.gs	Method	GENSCAN
Start	2832	End	5380
GI	none	Score	.71
Exons	2832..3361, 3411..3539, 4756..4790, 5295..5380		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75599	Strand	+
Start	2832	End	5380
Name	OJ990708_13.9C23.C7.o2.gp	Method	AAT/GAP
Start	3869	End	4169
GI	61605_3.R1084	Score	402
Exons	3869..4169		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75600	Strand	+
Start	8282	End	14078
Name	OJ990708_13.9C23.C7.o4.gs	Method	GENSCAN
Start	8282	End	14078
GI	none	Score	.49
Exons	8282..8284, 9105..9308, 9485..9637, 9916..10039, 10514..10819, 11139..11273, 11678..12040, 13183..13422, 13975..14078		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75600	Strand	+
Start	8282	End	14078
Name	OJ990708_13.9C23.C7.o1.np	Method	AAT/NAP

Start	9514	End	13146
GI	4206306	Score	913
Exons	9514..9601, 10553..11038, 11229..13146		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75600	Strand	+
Start	8282	End	14078
Name	OJ990708_13.9C23.C7.o4.gp	Method	AAT/GAP
Start	12003	End	12718
GI	5455576	Score	1150
Exons	12003..12718		
GI Descrip.	4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75601	Strand	-
Start	4762	End	5137
Name	OJ990708_13.9C23.C7.o3.gp	Method	AAT/GAP
Start	4762	End	5137
GI	2427387	Score	623
Exons	4762..5137		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o3.tm	Method	TBLASTX:Maize
Start	9003	End	9371
GI	none	Score	148
Exons	9003..9128, 9020..9127, 9021..9137, 9153..9371, 9153..9269		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o4.ts	Method	TBLASTX:Soybean
Start	10534	End	10896
GI	none	Score	205
Exons	10534..10896		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o3.ts	Method	TBLASTX:Soybean
Start	11378	End	11745
GI	none	Score	126
Exons	11378..11569, 11611..11745		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	11540	End	11944
GI	none	Score	56
Exons	11540..11569, 11568..11873, 11572..11892, 11578..11895, 11657..11944		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o2.tm	Method	TBLASTX:Maize
Start	11599	End	11814
GI	none	Score	313
Exons	11599..11814, 11601..11813		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	11815	End	12275
GI	none	Score	514
Exons	11815..12246, 11815..11904, 11937..12251, 12159..12251, 12245..12274, 12252..12275		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o2.ts	Method	TBLASTX:Soybean
Start	11965	End	12430
GI	none	Score	207
Exons	11965..12243, 11997..12251, 12246..12428, 12281..12430		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o2.tw	Method	TBLASTX:Wheat
Start	11965	End	12344
GI	none	Score	185
Exons	11965..12249, 12246..12344		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	12581	End	12998
GI	none	Score	186
Exons	12581..12697, 12582..12719, 12582..12719, 12756..12998, 12767..12841, 12881..12994		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o3.tw	Method	TBLASTX:Wheat
Start	12627	End	13061
GI	none	Score	82
Exons	12627..12716, 12770..12844, 12771..13061, 12875..12976		

Seq. No.	36713	Seq. ID	OJ990708_13.9C23.C7
Gene No.	75602	Strand	-
Start	14117	End	14207
Name	OJ990708_13.9C23.C7.o2.np	Method	AAT/NAP
Start	14117	End	14207
GI	6721561	Score	118

Exons	14117..14207		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	36714	Seq. ID	OJ990708_13.9C23.C8
Gene No.	75603	Strand	-
Start	1	End	536
Name	OJ990708_13.9C23.C8.o1.gp	Method	AAT/GAP
Start	1	End	536
GI	2605622	Score	1061
Exons	1..536		
GI Descrip.	2605623/dbj|BAA23340| 1.0e-119 (D88620) OSMYB4 [Oryza sativa]		
Seq. No.	36714	Seq. ID	OJ990708_13.9C23.C8
Gene No.	75603	Strand	-
Start	1	End	536
Name	OJ990708_13.9C23.C8.o1.gs	Method	GENSCAN
Start	55	End	414
GI	none	Score	.54
Exons	55..414		
Seq. No.	36714	Seq. ID	OJ990708_13.9C23.C8
Gene No.	75603	Strand	-
Start	1	End	536
Name	OJ990708_13.9C23.C8.o1.np	Method	AAT/NAP
Start	58	End	536
GI	2605623	Score	822
Exons	58..536		
GI Descrip.	(D88620) OSMYB4 [Oryza sativa]		
Seq. No.	36715	Seq. ID	OJ990708_13.9C23.C10
Gene No.	75604	Strand	+
Start	82	End	182
Name	OJ990708_13.9C23.C10.o1.gs	Method	GENSCAN
Start	82	End	182
GI	none	Score	.82
Exons	82..182		
Seq. No.	36715	Seq. ID	OJ990708_13.9C23.C10
Gene No.	75605	Strand	+
Start	349	End	662
Name	OJ990708_13.9C23.C10.o1.np	Method	AAT/NAP
Start	349	End	662
GI	5295955	Score	77
Exons	349..457, 485..662		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	36715	Seq. ID	OJ990708_13.9C23.C10
Gene No.	75606	Strand	-
Start	333	End	650
Name	OJ990708_13.9C23.C10.o2.gs	Method	GENSCAN
Start	333	End	650
GI	none	Score	.99

Exons	333..650		
Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75607	Strand	+
Start	306	End	2043
Name	OJ990708_13.9C23.C11.o1.gs	Method	GENSCAN
Start	306	End	2043
GI	none	Score	.45
Exons	306..1515, 1967..2043		
Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75607	Strand	+
Start	306	End	2043
Name	OJ990708_13.9C23.C11.o1.np	Method	AAT/NAP
Start	462	End	1647
GI	4544372	Score	582
Exons	462..1647		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75608	Strand	+
Start	8358	End	14491
Name	OJ990708_13.9C23.C11.o3.gs	Method	GENSCAN
Start	8358	End	14380
GI	none	Score	.82
Exons	8358..8425, 8653..8721, 9481..9584, 9634..9738, 9806..9852, 10643..11053, 11415..11661, 12144..12256, 12426..12505, 12666..12807, 12894..12974, 13117..13221, 13603..13785, 14288..14380		
Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75608	Strand	+
Start	8358	End	14491
Name	OJ990708_13.9C23.C11.o2.gp	Method	AAT/GAP
Start	9432	End	14491
GI	966_1.R1084	Score	2991
Exons	9432..9584, 10637..11053, 11415..11661, 12144..12256, 12426..12505, 12666..12807, 12894..12974, 13117..13221, 13603..13785, 14288..14491		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75608	Strand	+
Start	8358	End	14491
Name	OJ990708_13.9C23.C11.o2.np	Method	AAT/NAP
Start	10661	End	14491
GI	5679684	Score	2189
Exons	10661..11053, 11415..11661, 12144..12256, 12426..12505, 12666..12807, 12894..12974, 13117..13221, 13603..13785, 14288..14491		
GI Descrip.	(AJ243828) phosphatase 2A regulatory A subunit [Oryza sativa] gi|5679686|emb|CAB51804.1| (AJ243829) protein phosphatase 2A A subunit [Oryza sativa]		
Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11

Gene No.	75609	Strand	-
Start	3178	End	5026
Name	OJ990708_13.9C23.C11.o2.gs	Method	GENSCAN
Start	3178	End	5026
GI	none	Score	.47
Exons	3178..3357, 3868..3983, 4036..4043, 4881..5026		

Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75610	Strand	-
Start	9160	End	9221
Name	OJ990708_13.9C23.C11.o2.tm	Method	TBLASTX:Maize
Start	468	End	821
GI	none	Score	214
Exons	468..821		

Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75610	Strand	-
Start	9160	End	9221
Name	OJ990708_13.9C23.C11.o2.ts	Method	TBLASTX:Soybean
Start	675	End	1070
GI	none	Score	227
Exons	675..1070, 750..890, 776..970		

Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75610	Strand	-
Start	9160	End	9221
Name	OJ990708_13.9C23.C11.o3.ts	Method	TBLASTX:Soybean
Start	1413	End	1653
GI	none	Score	179
Exons	1413..1544, 1457..1546, 1608..1649, 1615..1653		

Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75610	Strand	-
Start	9160	End	9221
Name	OJ990708_13.9C23.C11.o1.gp	Method	AAT/GAP
Start	9160	End	9221
GI	uC-osflM202097d10b1	Score	74
Exons	9160..9221		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75611	Strand	-
Start	10534	End	14404
Name	OJ990708_13.9C23.C11.o1.tc	Method	TBLASTX:Cress
Start	10534	End	14404
GI	none	Score	43
Exons	10534..10581, 10657..11031, 10661..11053, 10661..11041, 10832..11050, 11412..11660, 11417..11653, 11424..11660, 11425..11664, 12142..12252, 12143..12256, 12144..12257, 12144..12257, 12145..12258, 12425..12496, 12426..12506, 12659..12742, 12664..12807, 12664..12807, 12675..12809, 12694..12804, 12888..12974, 12893..12976, 12893..12985, 13116..13175, 13117..13227, 13598..13786, 13599..13787, 13599..13787, 13600..13788, 13601..13789, 13603..13785, 13627..13728, 14277..14381, 14279..14389, 14288..14404		

Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75611	Strand	
Start	10534	End	14404
Name	OJ990708_13.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	10615	End	14404
GI	none	Score	420
Exons	10615..11052, 10640..11053, 10643..11053, 11412..11660, 11412..11660, 11413..11664, 12142..12258, 12143..12256, 12145..12258, 12422..12496, 12424..12501, 12426..12506, 12664..12807, 12670..12807, 12888..12974, 12892..12975, 12893..12985, 13099..13233, 13116..13223, 13117..13227, 13598..13786, 13599..13790, 13599..13787, 13600..13794, 14286..14381, 14287..14382, 14287..14358, 14288..14404		

Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75611	Strand	
Start	10534	End	14404
Name	OJ990708_13.9C23.C11.o1.ts	Method	TBLASTX:Soybean
Start	10661	End	14386
GI	none	Score	598
Exons	10661..11053, 10661..10768, 10672..11052, 11412..11660, 11414..11653, 11421..11660, 11422..11676, 12142..12258, 12143..12256, 12143..12262, 12145..12258, 12422..12496, 12426..12506, 12664..12807, 12672..12809, 12673..12807, 12888..12974, 12892..12981, 12893..12985, 13113..13175, 13114..13227, 13116..13223, 13117..13227, 13599..13787, 13600..13788, 14287..14358, 14288..14386		

Seq. No.	36716	Seq. ID	OJ990708_13.9C23.C11
Gene No.	75611	Strand	
Start	10534	End	14404
Name	OJ990708_13.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	10691	End	14404
GI	none	Score	60
Exons	10691..10837, 12444..12506, 12444..12494, 12445..12495, 12664..12807, 12670..12807, 12675..12809, 12697..12804, 12886..12975, 12891..12974, 12893..12976, 12893..12985, 13102..13233, 13116..13223, 13117..13227, 13598..13786, 13599..13688, 13599..13787, 13600..13794, 13603..13785, 14277..14381, 14285..14395, 14288..14404		

Seq. No.	36717	Seq. ID	OJ990708_13.9C23.C12
Gene No.	75612	Strand	+
Start	1	End	1201
Name	OJ990708_13.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	955
GI	5679684	Score	456
Exons	1..34, 455..594, 675..741, 839..955		
GI Descrip.	(AJ243828) phosphatase 2A regulatory A subunit [Oryza sativa] gi|5679686|emb|CAB51804.1| (AJ243829) protein phosphatase 2A A subunit [Oryza sativa]		

Seq. No.	36717	Seq. ID	OJ990708_13.9C23.C12
Gene No.	75612	Strand	+
Start	1	End	1201
Name	OJ990708_13.9C23.C12.o1.gs	Method	GENSCAN
Start	103	End	958

GI	none	Score	.9
Exons	103..141, 455..594, 675..741,	839..958	

Seq. No.	36717	Seq. ID	OJ990708_13.9C23.C12
Gene No.	75612	Strand	+
Start	1	End	1201
Name	OJ990708_13.9C23.C12.o1.gp	Method	AAT/GAP
Start	455	End	1201
GI	966_1.R1084	Score	1046
Exons	455..594, 675..741, 839..1201		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	36717	Seq. ID	OJ990708_13.9C23.C12
Gene No.	75613	Strand	+
Start	1848	End	2221
Name	OJ990708_13.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	446	End	1025
GI	none	Score	140
Exons	446..598, 451..609, 454..594,	455..595, 657..755, 660..743, 673..744, 824..973, 839..958,	972..1025, 974..1024

Seq. No.	36717	Seq. ID	OJ990708_13.9C23.C12
Gene No.	75613	Strand	+
Start	1848	End	2221
Name	OJ990708_13.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	446	End	901
GI	none	Score	137
Exons	446..592, 447..593, 447..593,	451..594, 455..595, 491..592, 657..755, 671..739, 673..747,	819..899, 824..901, 845..901

Seq. No.	36717	Seq. ID	OJ990708_13.9C23.C12
Gene No.	75613	Strand	+
Start	1848	End	2221
Name	OJ990708_13.9C23.C12.o1.tc	Method	TBLASTX:Cress
Start	451	End	958
GI	none	Score	199
Exons	451..594, 455..595, 491..592,	672..734, 673..744, 839..958, 839..958	

Seq. No.	36717	Seq. ID	OJ990708_13.9C23.C12
Gene No.	75613	Strand	+
Start	1848	End	2221
Name	OJ990708_13.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	454	End	979
GI	none	Score	183
Exons	454..645, 455..595, 491..592,	666..767, 673..744, 839..979	

Seq. No.	36717	Seq. ID	OJ990708_13.9C23.C12
Gene No.	75613	Strand	+
Start	1848	End	2221
Name	OJ990708_13.9C23.C12.o2.gs	Method	GENSCAN
Start	1848	End	2221
GI	none	Score	.81
Exons	1848..1865, 2138..2221		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13

Gene No.	75614	Strand	+
Start	90	End	3273
Name	OJ990708_13.9C23.C13.o1.np	Method	AAT/NAP
Start	90	End	3273
GI	4758556	Score	572
Exons	90..183, 1425..1797, 1889..2087, 2202..2334, 2409..3273		
GI Descrip.	U4/U6-associated RNA splicing factor gi|2708307 (AF016370) U4/U6 small nuclear ribonucleoprotein hPrp3 [Homo sapiens]		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75614	Strand	+
Start	90	End	3273
Name	OJ990708_13.9C23.C13.o1.gs	Method	GENSCAN
Start	132	End	3270
GI	none	Score	.96
Exons	132..423, 1048..1317, 1399..1797, 1889..2083, 2174..2334, 2409..3270		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75615	Strand	-
Start	4134	End	4713
Name	OJ990708_13.9C23.C13.o2.gs	Method	GENSCAN
Start	4134	End	4713
GI	none	Score	.89
Exons	4134..4439, 4501..4713		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75616	Strand	-
Start	5826	End	8006
Name	OJ990708_13.9C23.C13.o4.tm	Method	TBLASTX:Maize
Start	1050	End	1458
GI	none	Score	40
Exons	1050..1073, 1089..1313, 1109..1312, 1133..1336, 1369..1458, 1399..1455		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75616	Strand	-
Start	5826	End	8006
Name	OJ990708_13.9C23.C13.o1.tm	Method	TBLASTX:Maize
Start	1555	End	2083
GI	none	Score	368
Exons	1555..1806, 1558..1791, 1569..1799, 1879..2082, 1880..2083, 1883..2083		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75616	Strand	-
Start	5826	End	8006
Name	OJ990708_13.9C23.C13.o1.ts	Method	TBLASTX:Soybean
Start	1584	End	2838
GI	none	Score	124
Exons	1584..1661, 1585..1701, 1669..1851, 1671..1799, 1687..1839, 1879..2067, 1880..2083, 2455..2496, 2589..2726, 2599..2805, 2605..2838		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75616	Strand	-
Start	5826	End	8006

Name	OJ990708_13.9C23.C13.o2.tm	Method	TBLASTX:Maize
Start	2846	End	3293
GI	none	Score	293
Exons	2846..2938, 2847..3044, 2848..3045, 2848..3063, 3088..3291, 3088..3288, 3096..3293, 3096..3290		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75616	Strand	-
Start	5826	End	8006
Name	OJ990708_13.9C23.C13.o3.tm	Method	TBLASTX:Maize
Start	5823	End	6906
GI	none	Score	89
Exons	5823..5972, 5824..6024, 5824..5961, 5841..6023, 6793..6906, 6798..6902		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75616	Strand	-
Start	5826	End	8006
Name	OJ990708_13.9C23.C13.o2.np	Method	AAT/NAP
Start	5826	End	8006
GI	4432840	Score	202
Exons	5826..6023, 6799..6932, 7793..8006		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75616	Strand	-
Start	5826	End	8006
Name	OJ990708_13.9C23.C13.o1.tc	Method	TBLASTX:Cress
Start	5841	End	6936
GI	none	Score	212
Exons	5841..6023, 6793..6936		

Seq. No.	36718	Seq. ID	OJ990708_13.9C23.C13
Gene No.	75616	Strand	-
Start	5826	End	8006
Name	OJ990708_13.9C23.C13.o2.ts	Method	TBLASTX:Soybean
Start	5841	End	6939
GI	none	Score	88
Exons	5841..6023, 6793..6936, 6795..6938, 6796..6939, 6797..6937		

Seq. No.	36719	Seq. ID	OJ990618_10.9C10.C1
Gene No.	75617	Strand	+
Start	272	End	325
Name	OJ990618_10.9C10.C1.o1.gs	Method	GENSCAN
Start	272	End	325
GI	none	Score	.47
Exons	272..325		

Seq. No.	36720	Seq. ID	OJ990618_10.9C10.C2
Gene No.	75618	Strand	-
Start	264	End	670
Name	OJ990618_10.9C10.C2.o1.gp	Method	AAT/GAP
Start	264	End	670
GI	60388_1.R1084	Score	336
Exons	264..388, 488..521, 629..670		
GI Descrip.	'3021270/emb|CAA18465.1| 1.0e-23 (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	36720	Seq. ID	OJ990618_10.9C10.C2
Gene No.	75618	Strand	-
Start	264	End	670
Name	OJ990618_10.9C10.C2.o1.gs	Method	GENSCAN
Start	290	End	667
GI	none	Score	.93
Exons	290..416, 629..667		

Seq. No.	36721	Seq. ID	OJ990618_10.9C10.C3
Gene No.	75619	Strand	-
Start	1	End	686
Name	OJ990618_10.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	686
GI	2129703	Score	224
Exons	1..39, 135..298, 420..686		
GI Descrip.	receptor kinase - Arabidopsis thaliana gi|2129704|pir||S71184 receptor kinase - Arabidopsis thaliana gi|166692 (M80238) receptor kinase [Arabidopsis thaliana] gi|445123|prf||1908429A receptor kinase [Arabidopsis thaliana]		

Seq. No.	36721	Seq. ID	OJ990618_10.9C10.C3
Gene No.	75619	Strand	-
Start	1	End	686
Name	OJ990618_10.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	122	End	545
GI	none	Score	37
Exons	122..238, 245..295, 263..295, 420..545, 424..540		

Seq. No.	36721	Seq. ID	OJ990618_10.9C10.C3
Gene No.	75619	Strand	-
Start	1	End	686
Name	OJ990618_10.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	134	End	566
GI	none	Score	63
Exons	134..292, 159..266, 390..566, 403..564		

Seq. No.	36721	Seq. ID	OJ990618_10.9C10.C3
Gene No.	75619	Strand	-
Start	1	End	686
Name	OJ990618_10.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	134	End	537
GI	none	Score	79
Exons	134..298, 136..279, 136..303, 144..299, 417..455, 418..453, 432..536, 438..524, 445..537		

Seq. No.	36721	Seq. ID	OJ990618_10.9C10.C3
Gene No.	75619	Strand	-
Start	1	End	686
Name	OJ990618_10.9C10.C3.o1.gs	Method	GENSCAN
Start	420	End	563
GI	none	Score	.53
Exons	420..563		

Seq. No.	36722	Seq. ID	OJ990618_10.9C10.C4
Gene No.	75620	Strand	-
Start	326	End	395

Name	OJ990618_10.9C10.C4.o1.gs	Method	GENSCAN
Start	326	End	395
GI	none	Score	.88
Exons	326..395		

Seq. No.	36723	Seq. ID	OJ990618_10.9C10.C5
Gene No.	75621	Strand	-
Start	317	End	755
Name	OJ990618_10.9C10.C5.o1.gp	Method	AAT/GAP
Start	317	End	728
GI	60388_1.R1084	Score	333
Exons	317..447, 547..580, 688..728		
GI Descrip.	'3021270/emb|CAA18465.1| 1.0e-23 (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	36723	Seq. ID	OJ990618_10.9C10.C5
Gene No.	75621	Strand	-
Start	317	End	755
Name	OJ990618_10.9C10.C5.o1.gs	Method	GENSCAN
Start	320	End	594
GI	none	Score	.88
Exons	320..475, 547..594		

Seq. No.	36723	Seq. ID	OJ990618_10.9C10.C5
Gene No.	75621	Strand	-
Start	317	End	755
Name	OJ990618_10.9C10.C5.o1.np	Method	AAT/NAP
Start	320	End	755
GI	2911080	Score	77
Exons	320..447, 568..755		
GI Descrip.	(AL021960) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36724	Seq. ID	OJ990618_10.9C10.C6
Gene No.	75622	Strand	-
Start	266	End	402
Name	OJ990618_10.9C10.C6.o1.gs	Method	GENSCAN
Start	266	End	402
GI	none	Score	.77
Exons	266..402		

Seq. No.	36725	Seq. ID	OJ990618_10.9C10.C7
Gene No.	75623	Strand	+
Start	144	End	393
Name	OJ990618_10.9C10.C7.o1.gs	Method	GENSCAN
Start	144	End	393
GI	none	Score	.82
Exons	144..194, 373..393		

Seq. No.	36725	Seq. ID	OJ990618_10.9C10.C7
Gene No.	75624	Strand	-
Start	1281	End	1883
Name	OJ990618_10.9C10.C7.o2.gs	Method	GENSCAN
Start	1281	End	1883
GI	none	Score	.68
Exons	1281..1450, 1795..1838, 1840..1883		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8

Gene No.	75625	Strand	+
Start	1639	End	15686
Name	OJ990618_10.9C10.C8.o1.np	Method	AAT/NAP
Start	1639	End	15686
GI	3021270	Score	985
Exons	1639..1678, 3654..4375, 10879..10954, 12009..12187, 12469..12676, 12777..13014, 13104..13254, 13376..13539, 15533..15686		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75625	Strand	+
Start	1639	End	15686
Name	OJ990618_10.9C10.C8.o2.gs	Method	GENSCAN
Start	3625	End	5184
GI	none	Score	1
Exons	3625..4422, 4635..4790, 5161..5184		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75625	Strand	+
Start	1639	End	15686
Name	OJ990618_10.9C10.C8.o1.gp	Method	AAT/GAP
Start	4381	End	6247
GI	60388_1.R1084	Score	630
Exons	4381..4422, 4530..4563, 4663..4790, 6107..6247		
GI Descrip.	'3021270/emb|CAA18465.1| 1.0e-23 (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]'		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75625	Strand	+
Start	1639	End	15686
Name	OJ990618_10.9C10.C8.o2.gp	Method	AAT/GAP
Start	6838	End	7370
GI	70367_1.R1084	Score	845
Exons	6838..6871, 6958..7370		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75625	Strand	+
Start	1639	End	15686
Name	OJ990618_10.9C10.C8.o5.gs	Method	GENSCAN
Start	10824	End	15502
GI	none	Score	.54
Exons	10824..11342, 11434..11677, 11808..11945, 12060..12187, 12469..12676, 12777..13014, 13104..13254, 15178..15348, 15479..15502		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75626	Strand	+
Start	18620	End	24061
Name	OJ990618_10.9C10.C8.o7.gs	Method	GENSCAN
Start	18620	End	24061
GI	none	Score	.6
Exons	18620..18668, 19165..19296, 19389..19516, 20885..21092, 21157..21424, 21510..21666, 21806..22052, 23574..24061		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75626	Strand	+
Start	18620	End	24061
Name	OJ990618_10.9C10.C8.o2.np	Method	AAT/NAP
Start	19301	End	22115
GI	2252864	Score	614
Exons	19301..19516, 20885..21077, 21193..21424, 21510..21666, 21806..22115		
GI Descrip.	(AF013294) Similar to receptor kinase [Arabidopsis thaliana]		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75626	Strand	+
Start	18620	End	24061
Name	OJ990618_10.9C10.C8.o3.gp	Method	AAT/GAP
Start	19715	End	19773
GI	2312838	Score	77
Exons	19715..19773		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75627	Strand	+
Start	29183	End	32768
Name	OJ990618_10.9C10.C8.o3.np	Method	AAT/NAP
Start	28787	End	32768
GI	3021280	Score	265
Exons	28787..28881, 29272..29844, 30193..30283, 30594..30752, 30810..30975, 32665..32768		
GI Descrip.	(AL022347) serine /threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75627	Strand	+
Start	29183	End	32768
Name	OJ990618_10.9C10.C8.o9.gs	Method	GENSCAN
Start	29183	End	32395
GI	none	Score	.98
Exons	29183..30017, 30592..30729, 30826..30953, 32375..32395		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75628	Strand	-
Start	16918	End	17813
Name	OJ990618_10.9C10.C8.o6.gs	Method	GENSCAN
Start	16918	End	17813
GI	none	Score	.4
Exons	16918..17735, 17750..17813		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75629	Strand	-
Start	25107	End	32768
Name	OJ990618_10.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	3697	End	29476
GI	none	Score	154
Exons	3697..3915, 3813..3914, 10905..11123, 11021..11122, 17044..17160, 17143..17265, 17163..17264, 29258..29476, 29263..29361, 29428..29475		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75629	Strand	-
Start	25107	End	32768
Name	OJ990618_10.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	3712	End	32768
GI	none	Score	96
Exons	3712..3909, 4192..4266, 4665..4790, 4727..4789, 6116..6313, 6118..6312, 6368..6631, 6383..6616, 6396..6632, 6718..6810, 6719..6823, 6964..7134, 7008..7136, 10920..11171, 11413..11475, 12038..12187, 12481..12675, 12481..12675, 12775..12951, 12775..13011, 12776..13012, 13108..13284, 13110..13271, 13382..13540, 17560..17622, 19364..19516, 20894..21091, 20896..21090, 20970..21092, 21186..21422, 21200..21424, 21204..21416, 21206..21421, 21513..21605, 21514..21618, 21812..21979, 21838..21984, 29285..29395, 29414..29470, 29414..29554, 30828..30953, 30890..30952, 32658..32768		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75629	Strand	-
Start	25107	End	32768
Name	OJ990618_10.9C10.C8.o2.ts	Method	TBLASTX:Soybean
Start	3718	End	29575
GI	none	Score	140
Exons	3718..4005, 4066..4176, 4186..4263, 4312..4401, 10926..11210, 11275..11385, 11416..11472, 11527..11574, 17407..17532, 17563..17619, 17674..17727, 29270..29377, 29324..29575, 29354..29554		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75629	Strand	-
Start	25107	End	32768
Name	OJ990618_10.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	4661	End	32768
GI	none	Score	106
Exons	4661..4789, 4674..4790, 6116..6322, 6118..6309, 6371..6631, 6396..6632, 6715..6810, 6716..6817, 6964..7128, 12071..12187, 12480..12662, 12481..12675, 12481..12669, 12772..13011, 12776..13012, 12916..13014, 13104..13196, 13104..13211, 13105..13251, 13370..13519, 13379..13552, 19400..19516, 20894..21100, 20896..21078, 21186..21422, 21204..21398, 21206..21421, 21510..21605, 21511..21612, 21511..21609, 21809..21976, 30837..30953, 32658..32768		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75629	Strand	-
Start	25107	End	32768
Name	OJ990618_10.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	4683	End	32768
GI	none	Score	90
Exons	4683..4790, 6118..6309, 6119..6313, 6134..6313, 6416..6631, 6417..6632, 6715..6816, 6716..6817, 6970..7149, 7023..7100, 12062..12187, 12481..12675, 12493..12663, 12796..13011, 12797..13012, 13044..13214, 13105..13287, 13379..13540, 13447..13518, 19409..19516, 20896..21075, 20897..21115, 20912..21115, 21206..21421, 21207..21422, 21510..21611, 21511..21612, 21598..21627, 21809..22003, 21871..22002,		

30828..30953, 32658..32768

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75629	Strand	-
Start	25107	End	32768
Name	OJ990618_10.9C10.C8.o2.tw	Method	TBLASTX:Wheat
Start	6118	End	32768
GI	none	Score	224
Exons	6118..6351, 6119..6340, 6384..6458, 12481..12675, 12579..12689, 12797..12838, 20896..21132, 20897..21109, 21207..21248, 32658..32768		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75629	Strand	-
Start	25107	End	32768
Name	OJ990618_10.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	6458	End	21621
GI	none	Score	216
Exons	6458..6634, 6459..6635, 6715..6825, 6716..6826, 12838..13014, 12839..13015, 13104..13211, 13105..13248, 21248..21424, 21249..21425, 21510..21620, 21510..21620, 21511..21621		

Seq. No.	36726	Seq. ID	OJ990618_10.9C10.C8
Gene No.	75629	Strand	-
Start	25107	End	32768
Name	OJ990618_10.9C10.C8.o8.gs	Method	GENSCAN
Start	25107	End	26908
GI	none	Score	.64
Exons	25107..25384, 25597..25849, 26249..26908		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75630	Strand	+
Start	531	End	1419
Name	OJ990618_10.9C10.C9.o1.gs	Method	GENSCAN
Start	531	End	1419
GI	none	Score	.71
Exons	531..768, 855..1005, 1144..1419		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75631	Strand	+
Start	2607	End	3488
Name	OJ990618_10.9C10.C9.o2.gs	Method	GENSCAN
Start	2607	End	3488
GI	none	Score	.6
Exons	2607..2662, 2922..2976, 3249..3488		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75632	Strand	+
Start	3665	End	12819
Name	OJ990618_10.9C10.C9.o1.np	Method	AAT/NAP
Start	3665	End	8449
GI	3021270	Score	987
Exons	3665..3772, 4439..5184, 6094..6270, 6553..6759, 6841..7078, 7171..7324, 7646..7824, 8314..8449		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75632	Strand	+
Start	3665	End	12819
Name	OJ990618_10.9C10.C9.o3.gs	Method	GENSCAN
Start	4338	End	12819
GI	none	Score	.65
Exons	4338..5184, 5897..6034, 6116..6270, 6566..6759, 7171..7324, 7646..7920, 8201..8382, 8747..9444, 9729..9754, 9852..10007, 12777..12819		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75632	Strand	+
Start	3665	End	12819
Name	OJ990618_10.9C10.C9.o2.np	Method	AAT/NAP
Start	6252	End	7921
GI	2911080	Score	403
Exons	6252..6270, 6772..7078, 7171..7324, 7646..7921		
GI Descrip.	(AL021960) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75633	Strand	+
Start	14239	End	16753
Name	OJ990618_10.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	229	End	7843
GI	none	Score	179
Exons	229..429, 239..418, 293..433, 479..847, 550..765, 834..974, 841..999, 1156..1335, 1215..1286, 6163..6270, 6569..6754, 6570..6758, 6576..6758, 6837..7076, 6860..7075, 7171..7272, 7172..7273, 7649..7843, 7720..7842		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75633	Strand	+
Start	14239	End	16753
Name	OJ990618_10.9C10.C9.o2.tw	Method	TBLASTX:Wheat
Start	229	End	6902
GI	none	Score	193
Exons	229..429, 239..421, 530..592, 6566..6775, 6567..6773, 6840..6902		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75633	Strand	+
Start	14239	End	16753
Name	OJ990618_10.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	238	End	7816
GI	none	Score	212
Exons	238..429, 239..421, 318..431, 526..765, 530..766, 823..945, 841..1002, 855..962, 1150..1314, 6154..6270, 6566..6754, 6567..6758, 6836..7075, 6840..7076, 6980..7078, 7170..7238, 7171..7236, 7171..7266, 7172..7273, 7649..7816		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75633	Strand	+
Start	14239	End	16753
Name	OJ990618_10.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	239	End	14982
GI	none	Score	199
Exons	239..421, 248..433, 529..765, 530..766, 858..965, 859..1011, 861..965, 1150..1317, 1176..1325, 4449..4682, 4920..4982,		

6127..6270, 6207..6269, 6569..6757, 6570..6758, 6839..7075,
6840..7076, 6854..7078, 7174..7221, 7175..7279, 7177..7266,
7652..7819, 7696..7827, 14923..14982

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75633	Strand	+
Start	14239	End	16753
Name	OJ990618_10.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	593	End	7282
GI	none	Score	229
Exons	593..847, 595..768, 837..980, 841..999, 6902..7078, 6903..7079, 7138..7281, 7172..7282		

Seq. No.	36727	Seq. ID	OJ990618_10.9C10.C9
Gene No.	75633	Strand	+
Start	14239	End	16753
Name	OJ990618_10.9C10.C9.o4.gs	Method	GENSCAN
Start	14239	End	16753
GI	none	Score	.72
Exons	14239..14994, 15097..15151, 16676..16753		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75634	Strand	+
Start	299	End	7570
Name	OJ990618_10.9C10.C10.o1.gs	Method	GENSCAN
Start	299	End	7570
GI	none	Score	.56
Exons	299..324, 366..439, 1065..1193, 1790..1926, 2119..2380, 2448..2685, 2766..2919, 3203..3371, 4242..4453, 5096..5231, 5399..5651, 5999..6150, 6716..6883, 7494..7570		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75634	Strand	+
Start	299	End	7570
Name	OJ990618_10.9C10.C10.o1.gp	Method	AAT/GAP
Start	5796	End	6079
GI	LIB3432-050-P1-K1-E5	Score	537
Exons	5796..6079		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75634	Strand	+
Start	299	End	7570
Name	OJ990618_10.9C10.C10.o2.gp	Method	AAT/GAP
Start	6389	End	7028
GI	none	Score	945
Exons	6389..6473, 6609..7028		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75635	Strand	+
Start	12547	End	14042
Name	OJ990618_10.9C10.C10.o3.gs	Method	GENSCAN
Start	12547	End	14042
GI	none	Score	.64
Exons	12547..12657, 12742..12952, 13071..13308, 13380..13530, 13622..13796, 13825..14042		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75636	Strand	+
Start	14568	End	15113
Name	OJ990618_10.9C10.C10.o4.gs	Method	GENSCAN
Start	14568	End	15113
GI	none	Score	.79
Exons	14568..14585, 14805..15113		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75637	Strand	+
Start	21314	End	22940
Name	OJ990618_10.9C10.C10.o6.gs	Method	GENSCAN
Start	21314	End	22940
GI	none	Score	.72
Exons	21314..21369, 21807..21948, 22821..22940		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75638	Strand	+
Start	24330	End	30595
Name	OJ990618_10.9C10.C10.o2.np	Method	AAT/NAP
Start	23569	End	30592
GI	3021266	Score	1019
Exons	23569..23675, 24496..24931, 24977..25218, 28152..28258, 28658..28816, 29318..29528, 29655..29892, 29984..30134, 30257..30592		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|3292840|emb|CAA19830.1| (AL031018) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75638	Strand	+
Start	24330	End	30595
Name	OJ990618_10.9C10.C10.o7.gs	Method	GENSCAN
Start	24330	End	30595
GI	none	Score	.95
Exons	24330..25218, 28152..28289, 28686..28816, 29318..29528, 29655..29892, 29984..30134, 30257..30403, 30473..30595		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75639	Strand	+
Start	38324	End	38698
Name	OJ990618_10.9C10.C10.o10.gs	Method	GENSCAN
Start	38324	End	38698
GI	none	Score	.78
Exons	38324..38698		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75640	Strand	-
Start	17962	End	20918
Name	OJ990618_10.9C10.C10.o5.gs	Method	GENSCAN
Start	17962	End	20851
GI	none	Score	.88
Exons	17962..18312, 18398..18548, 18632..18869, 18991..19201, 19224..19408, 19655..19795, 19987..20851		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10

Gene No.	75640	Strand	-
Start	17962	End	20918
Name	OJ990618_10.9C10.C10.o1.np	Method	AAT/NAP
Start	17965	End	20830
GI	3021266	Score	1069
Exons	17965..18037, 18065..18312, 18398..18548, 18632..18869, 18991..19201, 19278..19398, 19660..19793, 19954..20209, 20270..20830		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana] gi|3292840|emb|CAA19830.1| (AL031018) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75640	Strand	-
Start	17962	End	20918
Name	OJ990618_10.9C10.C10.o3.gp	Method	AAT/GAP
Start	17984	End	18459
GI	LIB3432-021-P1-K1-F12	Score	925
Exons	17984..18459		
GI Descrip.	'2129703/pir||S70769 8.0e-17 receptor kinase - Arabidopsis thaliana >gi_2129704_pir__S71184 receptor kinase - Arabidopsis thaliana >gi_166692_(M80238) receptor_kinase_[Arabidopsis thaliana]_>gi_445123_prf__1908429A receptor kinase [Arabidopsis thaliana]'		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75640	Strand	-
Start	17962	End	20918
Name	OJ990618_10.9C10.C10.o4.gp	Method	AAT/GAP
Start	20525	End	20918
GI	none	Score	788
Exons	20525..20918		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75641	Strand	-
Start	31046	End	31757
Name	OJ990618_10.9C10.C10.o8.gs	Method	GENSCAN
Start	31046	End	31757
GI	none	Score	.77
Exons	31046..31115, 31244..31390, 31609..31757		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	1798	End	36928
GI	none	Score	118
Exons	1798..1926, 2116..2352, 2118..2315, 2128..2328, 2386..2685, 2387..2683, 2765..2893, 2766..2852, 2766..2939, 2767..2901, 3200..3373, 3206..3367, 12529..12657, 12712..12960, 12741..12938, 13069..13308, 13070..13306, 13094..13309, 13380..13466, 13380..13484, 13381..13524, 13613..13792, 13619..13792, 17941..18003, 18106..18321, 18133..18315, 18401..18547, 18441..18548, 18634..18870, 18635..18895, 18983..19201, 19005..19202, 19278..19352, 19279..19359, 28742..28816, 29315..29536, 29317..29514, 29635..29745, 29654..29890, 29809..29889, 29922..30131, 29984..30091,		

30245..30316, 30320..30457, 30554..30604, 32749..32895,
32896..32946, 33068..33214, 33075..33215, 33108..33215,
33109..33216, 33294..33380, 33296..33532, 33297..33377,
33323..33508, 33441..33560, 33650..33874, 33675..33872,
36854..36928

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	1804	End	38625
GI	none	Score	106

Exons 1804..1926, 2116..2352, 2118..2327, 2446..2685, 2447..2683,
2769..2870, 2770..2895, 2772..2876, 3215..3370, 3235..3378,
11327..11401, 12535..12669, 12605..12658, 12712..12951,
12756..12950, 13069..13308, 13070..13306, 13384..13506,
13386..13490, 13634..13792, 13654..13806, 18101..18280,
18103..18300, 18368..18544, 18438..18542, 18634..18870,
18635..18874, 18984..19088, 18992..19201, 18993..19202,
19278..19352, 19279..19353, 20489..20710, 24459..24686,
24978..25037, 28702..28815, 28742..28816, 29315..29527,
29317..29526, 29415..29534, 29654..29890, 29678..29887,
29695..29892, 29984..30109, 29988..30140, 29990..30091,
30311..30463, 32743..32880, 33059..33211, 33090..33212,
33108..33209, 33294..33479, 33296..33532, 33297..33377,
33359..33508, 33640..33729, 33662..33874, 33663..33872,
36833..36928, 38566..38625

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	1836	End	36928
GI	none	Score	97

Exons 1836..1925, 1837..1926, 2116..2328, 2118..2252, 2146..2328,
2468..2683, 2491..2646, 2766..2834, 2766..2876, 2767..2889,
3206..3367, 12568..12702, 12690..12875, 12691..12951,
13054..13269, 13091..13306, 13380..13490, 13381..13524,
13613..13849, 13693..13791, 18142..18336, 18404..18547,
18426..18596, 18632..18853, 18634..18849, 18992..19201,
19008..19202, 19278..19352, 19285..19359, 28742..28828,
29315..29527, 29317..29451, 29675..29890, 29675..29893,
29922..30128, 29984..30091, 30320..30424, 32782..32868,
32846..32893, 33071..33214, 33108..33215, 33293..33511,
33296..33511, 33662..33874, 33738..33884, 36854..36928

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o3.tw	Method	TBLASTX:Wheat
Start	2116	End	33884
GI	none	Score	213

Exons 2116..2328, 2118..2324, 2387..2509, 12739..12975, 12739..12939,
12741..12947, 13070..13132, 18992..19189, 18992..19201,
18996..19202, 29315..29527, 29317..29523, 33662..33874,
33666..33884

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	2510	End	33469
GI	none	Score	199
Exons	2510..2683, 2512..2682, 2766..2870, 2767..2871, 13133..13306, 13135..13305, 13380..13484, 13381..13524, 13381..13524, 13625..13663, 18428..18547, 18441..18548, 18634..18801, 18634..18807, 18635..18808, 21509..21577, 21562..21588, 29717..29890, 29984..30109, 29985..30128, 33071..33214, 33090..33287, 33296..33469		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o2.ts	Method	TBLASTX:Soybean
Start	9477	End	10069
GI	none	Score	80
Exons	9477..9617, 9668..10069, 9860..10063		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	9668	End	10070
GI	none	Score	93
Exons	9668..9787, 9854..10069, 9855..10070		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o2.tw	Method	TBLASTX:Wheat
Start	9674	End	10036
GI	none	Score	93
Exons	9674..10036, 9855..10022		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o3.tm	Method	TBLASTX:Maize
Start	10883	End	24686
GI	none	Score	95
Exons	10883..11047, 10891..11046, 20525..20689, 20556..20690, 24518..24685, 24519..24686		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o3.ts	Method	TBLASTX:Soybean
Start	10979	End	38625
GI	none	Score	118
Exons	10979..11146, 11327..11413, 11441..11509, 20039..20227, 20426..20713, 24498..24794, 38464..38625, 38492..38617		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-

Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o9.gs	Method	GENSCAN
Start	32587	End	37668
GI	none	Score	.92
Exons	32587..32949, 33065..33215, 33294..33531, 33661..33871, 36854..36984, 37512..37668		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o3.np	Method	AAT/NAP
Start	32590	End	38781
GI	4530126	Score	917
Exons	32590..32712, 32742..32949, 33065..33215, 33294..33531, 33661..33871, 36854..36984, 37512..37619, 38367..38781		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		

Seq. No.	36728	Seq. ID	OJ990618_10.9C10.C10
Gene No.	75642	Strand	-
Start	32587	End	38781
Name	OJ990618_10.9C10.C10.o5.gp	Method	AAT/GAP
Start	33654	End	37659
GI	LIB3434-031-P1-K1-A3	Score	877
Exons	33654..33871, 36854..36984, 37512..37659		
GI Descrip.	'4803938/gb|AAD29811.1|AC006264_19 1.0e-18 (AC006264) putative aromatic amino acid permease [Arabidopsis thaliana] >gi_5139337_emb_CAB45643.1_ (AJ243221) putative AUX1-like permease [Arabidopsis thaliana]'		

Seq. No.	36729	Seq. ID	OJ990618_10.9C10.C11
Gene No.	75643	Strand	-
Start	82	End	377
Name	OJ990618_10.9C10.C11.o1.gs	Method	GENSCAN
Start	82	End	377
GI	none	Score	.45
Exons	82..377		

Seq. No.	36730	Seq. ID	OJ990618_ 10.C12
Gene No.	75644	Strand	+
Start	106	End	1588
Name	OJ990618_10.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	8	End	742
GI	none	Score	102
Exons	8..238, 215..331, 548..604, 683..742		

Seq. No.	36730	Seq. ID	OJ 10.C12
Gene No.	75644	Strand	+
Start	106	End	1588
Name	OJ990618_10.9C10.C12.o1.gs	Method	GENSCAN
Start	106	End	1588
GI	none	Score	.68
Exons	106..797, 1457..1588		

Seq. No.	36731	Seq. ID	OJ990618_10.9C10.C14
Gene No.	75645	Strand	-
Start	1	End	338

Name	OJ990618_10.9C10.C14.o1.np	Method	AAT/NAP
Start	1	End	338
GI	6650550	Score	146
Exons	1..51, 151..338		
GI Descrip.	(AF109153) MADS box transcription factor MADS17 [Oryza sativa]		

Seq. No.	36732	Seq. ID	OJ990728_11.9C03.C1
Gene No.	75646	Strand	+
Start	1	End	474
Name	OJ990728_11.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	474
GI	2252843	Score	276
Exons	1..474		
GI Descrip.	(AF013293) No definition line found [Arabidopsis thaliana] gi|6049885|gb|AAF02800.1|AF195115_20 (AF195115) No definition line found [Arabidopsis thaliana]		

Seq. No.	36732	Seq. ID	OJ990728_11.9C03.C1
Gene No.	75646	Strand	+
Start	1	End	474
Name	OJ990728_11.9C03.C1.o1.gs	Method	GENSCAN
Start	17	End	188
GI	none	Score	.76
Exons	17..188		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75647	Strand	+
Start	3587	End	7588
Name	OJ990728_11.9C03.C3.o2.gs	Method	GENSCAN
Start	3587	End	7585
GI	none	Score	.47
Exons	3587..3683, 4248..4361, 4435..4546, 4952..5080, 5245..5423, 5500..5663, 5769..5843, 5928..6236, 6712..7056, 7469..7585		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75647	Strand	+
Start	3587	End	7588
Name	OJ990728_11.9C03.C3.o1.np	Method	AAT/NAP
Start	5024	End	7588
GI	3386605	Score	931
Exons	5024..5663, 5769..5843, 5928..6236, 6712..7056, 7469..7588		
GI Descrip.	(AC004665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o1.tm	Method	TBLASTX:
Start	5306	End	[illegible]
GI	none	Score	[illegible]
Exons	5306..5428, 5306..5347, 5347..5415, 5507..5599, 5508..5600, 5604..5666, 5609..5662		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	5306	End	5636

GI	none	Score	149
Exons	5306..5419, 5347..5412, 5505..5636		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o3.ts	Method	TBLASTX:Soybean
Start	5786	End	6143
GI	none	Score	76
Exons	5786..5851, 5787..5843, 5927..5971, 5928..5972, 6048..6143, 6050..6109		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o2.np	Method	AAT/NAP
Start	5842	End	9661
GI	4680190	Score	129
Exons	5842..5899, 8432..8528, 8599..8770, 9632..9661		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	5927	End	6248
GI	none	Score	50
Exons	5927..5971, 5928..5972, 6048..6248, 6053..6235		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	6159	End	7064
GI	none	Score	69
Exons	6159..6236, 6709..6786, 6766..6909, 6940..7056, 6966..7058, 6967..7062, 6993..7064		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	6708	End	7065
GI	none	Score	362
Exons	6708..6734, 6709..7065, 6768..6902		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	6730	End	7582
GI	none	Score	365
Exons	6730..7056, 7462..7578, 7469..7582		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-

Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o3.gs	Method	GENSCAN
Start	8405	End	9384
GI	none	Score	.78
Exons	8405..8562, 8639..8828, 9365..9384		

Seq. No.	36733	Seq. ID	OJ990728_11.9C03.C3
Gene No.	75648	Strand	-
Start	5842	End	9661
Name	OJ990728_11.9C03.C3.o1.gp	Method	AAT/GAP
Start	8423	End	9625
GI	700043	Score	786
Exons	8423..8562, 8639..8828, 9543..9625		
GI Descrip.	4680190/gb|AAD27555.1|AF111710_1 1.0e-19 (AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	36734	Seq. ID	OJ990728_11.9C03.C4
Gene No.	75649	Strand	-
Start	2029	End	3765
Name	OJ990728_11.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	2015	End	2689
GI	none	Score	81
Exons	2015..2128, 2029..2163, 2036..2152, 2179..2229, 2180..2230, 2199..2231, 2346..2417, 2424..2468, 2576..2689		

Seq. No.	36734	Seq. ID	OJ990728_11.9C03.C4
Gene No.	75649	Strand	-
Start	2029	End	3765
Name	OJ990728_11.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	2028	End	2311
GI	none	Score	146
Exons	2028..2261, 2029..2280, 2033..2281, 2048..2311		

Seq. No.	36734	Seq. ID	OJ990728_11.9C03.C4
Gene No.	75649	Strand	-
Start	2029	End	3765
Name	OJ990728_11.9C03.C4.o1.gs	Method	GENSCAN
Start	2029	End	3671
GI	none	Score	.72
Exons	2029..2322, 2576..2810, 3415..3671		

Seq. No.	36734	Seq. ID	OJ990728_11.9C03.C4
Gene No.	75649	Strand	-
Start	2029	End	3765
Name	OJ990728_11.9C03.C4.o1.np	Method	AAT/NAP
Start	2032	End	3765
GI	2252843	Score	327
Exons	2032..2473, 2567..2621, 2676..2846, 3406..3765		
GI Descrip.	(AF013293) No definition line found [Arabidopsis thaliana] gi|6049885|gb|AAF02800.1|AF195115_20 (AF195115) No definition line found [Arabidopsis thaliana]		

Seq. No.	36734	Seq. ID	OJ990728_11.9C03.C4
Gene No.	75649	Strand	-
Start	2029	End	3765
Name	OJ990728_11.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	2609	End	3764

GI	none	Score	91
Exons	2609..2728, 2610..2729, 2657..2731, 2696..2845, 2774..2812, 2796..2849, 3414..3467, 3414..3764, 3415..3579, 3622..3756, 3624..3761		

Seq. No.	36734	Seq. ID	OJ990728_11.9C03.C4
Gene No.	75649	Strand	-
Start	2029	End	3765
Name	OJ990728_11.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	2762	End	3764
GI	none	Score	63
Exons	2762..2842, 2773..2850, 3413..3577, 3414..3764, 3415..3579, 3428..3592, 3622..3756, 3627..3764		

Seq. No.	36735	Seq. ID	OJ990728_11.9C03.C5
Gene No.	75650	Strand	-
Start	1	End	2709
Name	OJ990728_11.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	2709
GI	2252843	Score	552
Exons	1..862, 2247..2330, 2388..2709		
GI Descrip.	(AF013293) No definition line found [Arabidopsis thaliana] gi|6049885|gb|AAF02800.1|AF195115_20 (AF195115) No definition line found [Arabidopsis thaliana]		

Seq. No.	36735	Seq. ID	OJ990728_11.9C03.C5
Gene No.	75650	Strand	-
Start	1	End	2709
Name	OJ990728_11.9C03.C5.o1.gs	Method	GENSCAN
Start	22	End	2650
GI	none	Score	.61
Exons	22..485, 701..862, 2247..2650		

Seq. No.	36735	Seq. ID	OJ990728_11.9C03.C5
Gene No.	75650	Strand	-
Start	1	End	2709
Name	OJ990728_11.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	245	End	723
GI	none	Score	165
Exons	245..469, 249..470, 368..475, 384..470, 403..480, 541..594, 542..580, 632..721, 646..723, 646..723		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75651	Strand	+
Start	10679	End	11121
Name	OJ990728_11.9C03.C6.o1.gp	Method	AAT/GAP
Start	10679	End	11121
GI	none	Score	793
Exons	10679..11121		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75652	Strand	+
Start	16353	End	16753
Name	OJ990728_11.9C03.C6.o4.gp	Method	AAT/GAP
Start	16353	End	16753
GI	3106733	Score	646
Exons	16353..16753		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75653	Strand	+
Start	19457	End	24684
Name	OJ990728_11.9C03.C6.o4.gs	Method	GENSCAN
Start	19457	End	24684
GI	none	Score	.64
Exons	19457..19710, 20469..20621, 20632..20791, 21116..21202, 24619..24684		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75654	Strand	-
Start	1	End	5900
Name	OJ990728_11.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	3163
GI	2252843	Score	1008
Exons	1..694, 779..1570, 1647..1974, 2054..2252, 2721..2863, 3059..3163		
GI Descrip.	(AF013293) No definition line found [Arabidopsis thaliana] gi|6049885|gb|AAF02800.1|AF195115_20 (AF195115) No definition line found [Arabidopsis thaliana]		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75654	Strand	-
Start	1	End	5900
Name	OJ990728_11.9C03.C6.o1.gs	Method	GENSCAN
Start	124	End	5900
GI	none	Score	.58
Exons	124..1157, 1226..1544, 1647..1991, 2103..2252, 2721..2828, 3077..3130, 3647..3718, 3925..4002, 5688..5900		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75655	Strand	-
Start	7549	End	14861
Name	OJ990728_11.9C03.C6.o2.gs	Method	GENSCAN
Start	7549	End	14861
GI	none	Score	.72
Exons	7549..7617, 8831..8940, 9649..10036, 11407..11702, 11871..12111, 12194..12321, 12410..13979, 14226..14284, 14705..14861		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75655	Strand	-
Start	7549	End	14861
Name	OJ990728_11.9C03.C6.o2.gp	Method	AAT/GAP
Start	12046	End	12998
GI	none	Score	1439
Exons	12046..12111, 12194..12321, 12410..12998		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75656	Strand	-
Start	14794	End	15813
Name	OJ990728_11.9C03.C6.o3.gp	Method	AAT/GAP
Start	14794	End	15813
GI	2310176	Score	823
Exons	14794..14966, 15531..15813		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6

Gene No.	75657	Strand	-
Start	17734	End	19096
Name	OJ990728_11.9C03.C6.o2.np	Method	AAT/NAP
Start	17734	End	19096
GI	4538624	Score	550
Exons	17734..19096		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75658	Strand	-
Start	22414	End	28783
Name	OJ990728_11.9C03.C6.o3.np	Method	AAT/NAP
Start	22414	End	27073
GI	6069646	Score	355
Exons	22414..22789, 27042..27073		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75658	Strand	-
Start	22414	End	28783
Name	OJ990728_11.9C03.C6.o5.gs	Method	GENSCAN
Start	26618	End	28783
GI	none	Score	.82
Exons	26618..26651, 26810..26904, 27008..27133, 27321..27555, 28283..28362, 28745..28783		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75659	Strand	-
Start	29857	End	39096
Name	OJ990728_11.9C03.C6.o6.gs	Method	GENSCAN
Start	29857	End	39096
GI	none	Score	.65
Exons	29857..29987, 30245..30296, 30472..30634, 32520..32652, 33528..33726, 33913..34132, 35662..35726, 35837..36063, 37455..37637, 37946..38138, 38330..38564, 38963..39096		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	11221	End	12247
GI	none	Score	140
Exons	11221..11358, 11221..11358, 11241..11393, 11356..11718, 11359..11571, 11363..11719, 11378..11719, 11400..11720, 11611..11721, 11866..11982, 11866..12000, 11970..12101, 11985..12119, 12205..12246, 12206..12247		

Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	11373	End	11681
GI	none	Score	248

Exons	11373..11681, 11374..11673		
Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	12803	End	13267
GI	none	Score	85
Exons	12803..12880, 12811..12897, 12812..12907, 12908..12982, 12912..12983, 12943..12984, 12973..13101, 12982..13101, 12987..13115, 13104..13265, 13109..13267, 13110..13184, 13115..13267		
Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	13272	End	13847
GI	none	Score	289
Exons	13272..13730, 13279..13455, 13284..13757, 13487..13744, 13806..13847		
Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	16890	End	17255
GI	none	Score	115
Exons	16890..17018, 17133..17255		
Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	16920	End	18577
GI	none	Score	356
Exons	16920..17018, 17133..17252, 17551..17700, 17874..17975, 17966..18577		
Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	16932	End	17259
GI	none	Score	44
Exons	16932..17024, 16940..17050, 16950..17021, 17133..17258, 17134..17259, 17136..17258		
Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6
Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	18086	End	18340
GI	none	Score	75
Exons	18086..18340, 18146..18310		
Seq. No.	36736	Seq. ID	OJ990728_11.9C03.C6

Gene No.	75660	Strand	-
Start	39812	End	43605
Name	OJ990728_11.9C03.C6.o7.gs	Method	GENSCAN
Start	39812	End	43605
GI	none	Score	.7
Exons	39812..39973, 40268..40382, 40782..40896, 41712..41777, 41864..42056, 42444..42672, 43421..43605		

Seq. No.	36737	Seq. ID	OJ990728_11.9C03.C7
Gene No.	75661	Strand	+
Start	1748	End	2270
Name	OJ990728_11.9C03.C7.o1.gp	Method	AAT/GAP
Start	1748	End	2270
GI	LIB3434-038-P1-K1-F1	Score	765
Exons	1748..2270		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36737	Seq. ID	OJ990728_11.9C03.C7
Gene No.	75662	Strand	-
Start	171	End	4027
Name	OJ990728_11.9C03.C7.o1.gs	Method	GENSCAN
Start	171	End	4027
GI	none	Score	.66
Exons	171..279, 1568..1651, 3608..3696, 3827..4027		

Seq. No.	36737	Seq. ID	OJ990728_11.9C03.C7
Gene No.	75663	Strand	-
Start	5047	End	9383
Name	OJ990728_11.9C03.C7.o2.gp	Method	AAT/GAP
Start	5047	End	9381
GI	12863_1.R1084	Score	2210
Exons	5047..5280, 5838..5950, 6363..6458, 7560..7676, 8085..8183, 8456..8587, 8683..8858, 8980..9154, 9289..9381		
GI Descrip.	'3540183 1.0e-115 (AC004122) Highly Similar to branched-chain amino acid aminotransferase [Arabidopsis thaliana]'		

Seq. No.	36737	Seq. ID	OJ990728_11.9C03.C7
Gene No.	75663	Strand	-
Start	5047	End	9383
Name	OJ990728_11.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	5140	End	9383
GI	none	Score	129
Exons	5140..5268, 5160..5267, 5837..5953, 5838..5957, 5840..5956, 6360..6455, 6361..6456, 6361..6459, 6362..6463, 7558..7683, 7559..7678, 7569..7685, 8064..8201, 8082..8183, 8083..8184, 8454..8585, 8456..8587, 8664..8813, 8680..8814, 8680..8817, 8684..8830, 8750..8818, 8821..8862, 8823..8870, 8975..9148, 8979..9152, 8983..9159, 8984..9148, 9298..9378, 9298..9381, 9309..9383		

Seq. No.	36737	Seq. ID	OJ990728_11.9C03.C7
Gene No.	75663	Strand	-
Start	5047	End	9383
Name	OJ990728_11.9C03.C7.o2.gs	Method	GENSCAN
Start	5160	End	9377
GI	none	Score	.77

Exons	5160..5280, 5838..5950, 6363..6458, 7560..7676, 7971..8183, 8456..8587, 8683..8793, 8998..9154, 9289..9377		
Seq. No.	36737	Seq. ID	OJ990728_11.9C03.C7
Gene No.	75663	Strand	-
Start	5047	End	9383
Name	OJ990728_11.9C03.C7.o1.np	Method	AAT/NAP
Start	5163	End	9262
GI	6319167	Score	1145
Exons	5163..5280, 5838..5950, 6363..6458, 7560..7676, 8085..8183, 8456..8587, 8683..8858, 8980..9262		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		
Seq. No.	36737	Seq. ID	OJ990728_11.9C03.C7
Gene No.	75663	Strand	-
Start	5047	End	9383
Name	OJ990728_11.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	5837	End	9159
GI	none	Score	81
Exons	5837..5953, 5850..5900, 6322..6450, 6360..6461, 6361..6459, 7559..7672, 7559..7666, 7560..7676, 7561..7683, 7569..7685, 8027..8140, 8067..8201, 8083..8184, 8090..8209, 8450..8581, 8454..8588, 8456..8587, 8500..8595, 8664..8756, 8679..8768, 8680..8817, 8681..8815, 8829..8870, 8833..8859, 8983..9159, 8984..9145		
Seq. No.	36737	Seq. ID	OJ990728_11.9C03.C7
Gene No.	75663	Strand	-
Start	5047	End	9383
Name	OJ990728_11.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	8100	End	9139
GI	none	Score	151
Exons	8100..8201, 8436..8588, 8456..8587, 8680..8844, 8681..8812, 8829..8870, 8963..9139, 8983..9138		
Seq. No.	36738	Seq. ID	OJ990728_11.9C03.C8
Gene No.	75664	Strand	+
Start	2449	End	5018
Name	OJ990728_11.9C03.C8.o1.np	Method	AAT/NAP
Start	2449	End	4183
GI	6721512	Score	54
Exons	2449..2563, 4160..4183		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	36738	Seq. ID	OJ990728_11.9C03.C8
Gene No.	75664	Strand	+
Start	2449	End	5018
Name	OJ990728_11.9C03.C8.o2.np	Method	AAT/NAP
Start	3399	End	4968
GI	6721558	Score	244
Exons	3399..3498, 4199..4323, 4766..4968		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	36738	Seq. ID	OJ990728_11.9C03.C8

Gene No.	75664	Strand	+
Start	2449	End	5018
Name	OJ990728_11.9C03.C8.o3.np	Method	AAT/NAP
Start	3923	End	5018
GI	6721561	Score	455
Exons	3923..3958, 4357..4570, 4640..4698, 4768..5018		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75665	Strand	+
Start	1	End	1443
Name	OJ990728_11.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	579
GI	6721561	Score	646
Exons	1..579		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75665	Strand	+
Start	1	End	1443
Name	OJ990728_11.9C03.C9.o1.gs	Method	GENSCAN
Start	7	End	1443
GI	none	Score	.78
Exons	7..105, 271..578, 700..845, 943..1076, 1231..1443		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75666	Strand	+
Start	8357	End	15020
Name	OJ990728_11.9C03.C9.o4.np	Method	AAT/NAP
Start	8357	End	12857
GI	6721512	Score	57
Exons	8357..8478, 12821..12857		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75666	Strand	+
Start	8357	End	15020
Name	OJ990728_11.9C03.C9.o1.gp	Method	AAT/GAP
Start	9541	End	10211
GI	uC-osflcyp011b03b1	Score	940
Exons	9541..9598, 9672..9734, 9843..10211		
GI Descrip.	'1421751 3.0e-12 (U60592) putative ORF; conserved in 5'' leaders of plant SAMdC [Pisum sativum]'		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75666	Strand	+
Start	8357	End	15020
Name	OJ990728_11.9C03.C9.o5.np	Method	AAT/NAP
Start	9677	End	12307

GI	6688926	Score	149
Exons	9677..9734, 9843..9913, 9987..10068, 10309..10424, 10539..10602, 11984..12307		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75666	Strand	+
Start	8357	End	15020
Name	OJ990728_11.9C03.C9.o6.gs	Method	GENSCAN
Start	9680	End	15020
GI	none	Score	.8
Exons	9680..9734, 9843..9913, 12056..12979, 13105..13385, 13437..13723, 13870..14057, 14133..14322, 14395..14499, 14572..15020		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75666	Strand	+
Start	8357	End	15020
Name	OJ990728_11.9C03.C9.o6.np	Method	AAT/NAP
Start	12095	End	15017
GI	6691716	Score	2370
Exons	12095..12979, 13177..13355, 13437..13686, 13863..14057, 14133..14244, 14395..14499, 14572..15017		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75667	Strand	-
Start	2118	End	5167
Name	OJ990728_11.9C03.C9.o2.np	Method	AAT/NAP
Start	2077	End	5167
GI	5902445	Score	2990
Exons	2077..5167		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75667	Strand	-
Start	2118	End	5167
Name	OJ990728_11.9C03.C9.o2.gs	Method	GENSCAN
Start	2118	End	5167
GI	none	Score	.53
Exons	2118..2352, 2381..2572, 2684..3538, 3550..4328, 4415..5167		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75668	Strand	-
Start	5231	End	9723
Name	OJ990728_11.9C03.C9.o3.gs	Method	GENSCAN
Start	5231	End	5896
GI	none	Score	1
Exons	5231..5896		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75668	Strand	-
Start	5231	End	9723
Name	OJ990728_11.9C03.C9.o3.np	Method	AAT/NAP
Start	5234	End	9723

GI	5902444	Score	1070
Exons	5234..6892, 7220..7356, 9678..9723		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75668	Strand	-
Start	5231	End	9723
Name	OJ990728_11.9C03.C9.o4.gs	Method	GENSCAN
Start	5954	End	7209
GI	none	Score	.64
Exons	5954..6648, 6819..7209		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75668	Strand	-
Start	5231	End	9723
Name	OJ990728_11.9C03.C9.o5.gs	Method	GENSCAN
Start	7462	End	8427
GI	none	Score	.99
Exons	7462..8427		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o3.tw	Method	TBLASTX:Wheat
Start	2086	End	15962
GI	none	Score	56
Exons	2086..2217, 2099..2212, 2242..2694, 2438..2545, 15348..15485, 15471..15962, 15700..15801, 15853..15942		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o5.tm	Method	TBLASTX:Maize
Start	2122	End	15620
GI	none	Score	104
Exons	2122..2205, 2206..2370, 15385..15489, 15387..15488, 15468..15620		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o9.tm	Method	TBLASTX:Maize
Start	2470	End	16005
GI	none	Score	56
Exons	2470..2553, 2569..2649, 2644..2742, 15732..15818, 15828..15911, 15841..15915, 15898..16005, 15906..16004		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o4.tw	Method	TBLASTX:Wheat
Start	2818	End	16464
GI	none	Score	49
Exons	2818..3201, 2819..2863, 2827..3087, 2897..3193, 16077..16268, 16077..16463, 16153..16464		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-

Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	2896	End	16470
GI	none	Score	136
Exons	2896..3201, 2897..3115, 16107..16154, 16108..16155, 16135..16449, 16146..16469, 16159..16470		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o7.tm	Method	TBLASTX:Maize
Start	3462	End	16952
GI	none	Score	193
Exons	3462..3623, 3681..3704, 16698..16952		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o5.tw	Method	TBLASTX:Wheat
Start	3546	End	17204
GI	none	Score	71
Exons	3546..3830, 3850..3954, 3858..3959, 16782..17204, 16792..17196		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	3579	End	17213
GI	none	Score	157
Exons	3579..3827, 3837..3962, 16825..17205, 16827..17069, 17109..17213		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o7.tw	Method	TBLASTX:Wheat
Start	3961	End	17490
GI	none	Score	63
Exons	3961..4101, 3963..4154, 4032..4151, 4158..4226, 4159..4227, 17204..17302, 17208..17489, 17220..17354, 17413..17490		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o3.tm	Method	TBLASTX:Maize
Start	4161	End	17772
GI	none	Score	90
Exons	4161..4235, 4254..4343, 4343..4504, 4356..4505, 17328..17354, 17352..17495, 17365..17496, 17517..17771, 17518..17772		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	4176	End	17840
GI	none	Score	86
Exons	4176..4343, 4343..4597, 4413..4538, 17439..17840, 17470..17643, 17680..17823		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	4233	End	17918
GI	none	Score	46
Exons	4233..4343, 4266..4343, 4326..4541, 4337..4651, 4343..4651, 17494..17874, 17494..17853, 17499..17918		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o6.tm	Method	TBLASTX:Maize
Start	4505	End	17999
GI	none	Score	167
Exons	4505..4732, 17772..17999		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	4736	End	18359
GI	none	Score	205
Exons	4736..5092, 4737..5030, 4790..5038, 18003..18359, 18013..18318		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	4767	End	18489
GI	none	Score	334
Exons	4767..5222, 4778..5221, 18033..18488, 18034..18489		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o3.ts	Method	TBLASTX:Soybean
Start	4817	End	18449
GI	none	Score	135
Exons	4817..4951, 4958..5182, 18084..18218, 18225..18449		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o6.tw	Method	TBLASTX:Wheat
Start	5414	End	19166
GI	none	Score	155
Exons	5414..5650, 5424..5648, 5687..5869, 5760..5861, 18709..18945, 18711..18941, 18990..19166		

Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o8.tw	Method	TBLASTX:Wheat
Start	6500	End	6892
GI	none	Score	83

Exons	6500..6775, 6501..6695, 6734..6847, 6786..6836, 6848..6892		
Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o8.tm	Method	TBLASTX:Maize
Start	6614	End	6853
GI	none	Score	190
Exons	6614..6853		
Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o4.tm	Method	TBLASTX:Maize
Start	9526	End	10069
GI	none	Score	43
Exons	9526..9570, 9626..9700, 9658..9735, 9677..9733, 9679..9738, 9818..9916, 9845..9916, 9980..10069, 9981..10067, 9988..10068		
Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o9.tw	Method	TBLASTX:Wheat
Start	12215	End	12505
GI	none	Score	213
Exons	12215..12505, 12362..12484		
Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o7.gs	Method	GENSCAN
Start	15336	End	19508
GI	none	Score	.74
Exons	15336..18417, 18514..19508		
Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o7.np	Method	AAT/NAP
Start	15339	End	18434
GI	5902445	Score	5315
Exons	15339..18434		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o10.tw	Method	TBLASTX:Wheat
Start	16467	End	16766
GI	none	Score	130
Exons	16467..16607, 16632..16766		
Seq. No.	36739	Seq. ID	OJ990728_11.9C03.C9
Gene No.	75669	Strand	-
Start	15336	End	19767
Name	OJ990728_11.9C03.C9.o8.np	Method	AAT/NAP
Start	18501	End	19767

GI	5902444	Score	1979
Exons	18501..19767		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36740	Seq. ID	OJ990728_11.9C03.C11
Gene No.	75670	Strand	+
Start	477	End	595
Name	OJ990728_11.9C03.C11.o1.gp	Method	AAT/GAP
Start	477	End	595
GI	LIB3477-003-P1-K1-E9	Score	190
Exons	477..595		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36740	Seq. ID	OJ990728_11.9C03.C11
Gene No.	75670	Strand	+
Start	477	End	595
Name	OJ990728_11.9C03.C11.o2.gp	Method	AAT/GAP
Start	477	End	595
GI	LIB3477-003-P1-K1-E9	Score	182
Exons	477..595		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36740	Seq. ID	OJ990728_11.9C03.C11
Gene No.	75671	Strand	-
Start	113	End	178
Name	OJ990728_11.9C03.C11.o1.gs	Method	GENSCAN
Start	113	End	178
GI	none	Score	.99
Exons	113..178		

Seq. No.	36741	Seq. ID	OJ990728_11.9C03.C12
Gene No.	75672	Strand	-
Start	54	End	474
Name	OJ990728_11.9C03.C12.o1.gs	Method	GENSCAN
Start	54	End	474
GI	none	Score	.46
Exons	54..474		

Seq. No.	36742	Seq. ID	OJ990528_13.9C10.C1
Gene No.	75673	Strand	+
Start	738	End	934
Name	OJ990528_13.9C10.C1.o1.gs	Method	GENSCAN
Start	738	End	934
GI	none	Score	.57
Exons	738..934		

Seq. No.	36743	Seq. ID	OJ990528_13.9C10.C2
Gene No.	75674	Strand	-
Start	2114	End	2375
Name	OJ990528_13.9C10.C2.o1.np	Method	AAT/NAP
Start	2114	End	2375
GI	6815052	Score	177
Exons	2114..2375		

GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	36744	Seq. ID	OJ990528_13.9C10.C3
Gene No.	75675	Strand	-
Start	126	End	2994
Name	OJ990528_13.9C10.C3.o1.np	Method	AAT/NAP
Start	126	End	2994
GI	6815052	Score	1364
Exons	126..207, 289..986, 1035..1170, 1953..2045, 2895..2994		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36744	Seq. ID	OJ990528_13.9C10.C3
Gene No.	75675	Strand	-
Start	126	End	2994
Name	OJ990528_13.9C10.C3.o1.gs	Method	GENSCAN
Start	208	End	1833
GI	none	Score	.82
Exons	208..1833		

Seq. No.	36744	Seq. ID	OJ990528_13.9C10.C3
Gene No.	75675	Strand	-
Start	126	End	2994
Name	OJ990528_13.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	1225	End	1719
GI	none	Score	66
Exons	1225..1719, 1325..1483, 1429..1695		

Seq. No.	36745	Seq. ID	OJ990528_13.9C10.C4
Gene No.	75676	Strand	+
Start	2533	End	2894
Name	OJ990528_13.9C10.C4.o2.gs	Method	GENSCAN
Start	2533	End	2894
GI	none	Score	.47
Exons	2533..2539, 2790..2894		

Seq. No.	36745	Seq. ID	OJ990528_13.9C10.C4
Gene No.	75677	Strand	-
Start	1	End	1650
Name	OJ990528_13.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	1650
GI	2586083	Score	783
Exons	1..868, 944..1650		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	36745	Seq. ID	OJ990528_13.9C10.C4
Gene No.	75677	Strand	-
Start	1	End	1650
Name	OJ990528_13.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	55	End	1365
GI	none	Score	78
Exons	55..561, 64..555, 70..561, 76..420, 85..561, 145..558, 278..385, 284..547, 293..535, 365..526, 550..630, 568..621, 673..867, 682..867, 682..867, 886..1119, 904..1320, 904..1305, 904..1320, 962..1054, 970..1320, 1019..1255, 1025..1255, 1085..1129, 1249..1320, 1315..1365		

Seq. No.	36745	Seq. ID	OJ990528_13.9C10.C4

Gene No.	75677	Strand	-
Start	1	End	1650
Name	OJ990528_13.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	64	End	1365
GI	none	Score	64
Exons	64..561, 64..459, 76..558, 76..531, 76..558, 76..198, 76..411, 148..555, 166..414, 220..558, 238..459, 281..412, 284..463, 313..477, 319..600, 559..642, 568..633, 658..786, 673..861, 673..867, 682..867, 712..867, 856..1308, 895..1122, 904..1356, 910..1275, 919..1122, 961..1320, 962..1138, 982..1116, 991..1224, 1034..1255, 1034..1189, 1078..1296, 1091..1216, 1177..1320, 1177..1314, 1315..1365		

Seq. No.	36745	Seq. ID	OJ990528_13.9C10.C4
Gene No.	75677	Strand	-
Start	1	End	1650
Name	OJ990528_13.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	64	End	1305
GI	none	Score	74
Exons	64..531, 76..462, 145..555, 193..546, 262..561, 290..457, 904..1119, 904..1116, 916..1305, 962..1129, 1177..1272		

Seq. No.	36745	Seq. ID	OJ990528_13.9C10.C4
Gene No.	75677	Strand	-
Start	1	End	1650
Name	OJ990528_13.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	94	End	1242
GI	none	Score	65
Exons	94..345, 166..411, 238..483, 310..663, 658..726, 718..810, 904..1086, 910..1119, 1177..1242		

Seq. No.	36745	Seq. ID	OJ990528_13.9C10.C4
Gene No.	75677	Strand	-
Start	1	End	1650
Name	OJ990528_13.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	562	End	895
GI	none	Score	56
Exons	562..651, 658..774, 658..894, 665..895		

Seq. No.	36746	Seq. ID	OJ990528_13.9C10.C5
Gene No.	75678	Strand	-
Start	1309	End	3276
Name	OJ990528_13.9C10.C5.o1.gs	Method	GENSCAN
Start	1309	End	3276
GI	none	Score	.63
Exons	1309..1538, 2634..2717, 2965..3276		

Seq. No.	36747	Seq. ID	OJ990528_13.9C10.C6
Gene No.	75679	Strand	+
Start	1580	End	1966
Name	OJ990528_13.9C10.C6.o1.gs	Method	GENSCAN
Start	1580	End	1966
GI	none	Score	.62
Exons	1580..1966		

Seq. No.	36747	Seq. ID	OJ990528_13.9C10.C6
Gene No.	75680	Strand	-

Start	5275	End	6639
Name	OJ990528_13.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	5216	End	6294
GI	none	Score	63
Exons	5216..5284, 5287..5733, 5287..5757, 5287..5748, 5287..5694, 5287..5757, 5347..5760, 5767..5925, 5767..5904, 5767..5898, 5783..5890, 6085..6285, 6088..6294		

Seq. No.	36747	Seq. ID	OJ990528_13.9C10.C6
Gene No.	75680	Strand	-
Start	5275	End	6639
Name	OJ990528_13.9C10.C6.o2.gs	Method	GENSCAN
Start	5275	End	6639
GI	none	Score	.97
Exons	5275..6639		

Seq. No.	36747	Seq. ID	OJ990528_13.9C10.C6
Gene No.	75680	Strand	-
Start	5275	End	6639
Name	OJ990528_13.9C10.C6.o1.np	Method	AAT/NAP
Start	5287	End	6636
GI	2586083	Score	636
Exons	5287..6636		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	36747	Seq. ID	OJ990528_13.9C10.C6
Gene No.	75680	Strand	-
Start	5275	End	6639
Name	OJ990528_13.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	5287	End	6363
GI	none	Score	63
Exons	5287..5748, 5287..5757, 5287..5616, 5287..5748, 5299..5757, 5368..5748, 5440..5763, 5512..5823, 5617..5673, 5761..5844, 5929..6213, 5938..6300, 5941..6294, 6085..6333, 6283..6336, 6298..6363		

Seq. No.	36747	Seq. ID	OJ990528_13.9C10.C6
Gene No.	75680	Strand	-
Start	5275	End	6639
Name	OJ990528_13.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	5287	End	6294
GI	none	Score	64
Exons	5287..5544, 5293..5616, 5368..5688, 5509..5808, 5642..5791, 5767..5898, 5932..6225, 6178..6294		

Seq. No.	36747	Seq. ID	OJ990528_13.9C10.C6
Gene No.	75680	Strand	-
Start	5275	End	6639
Name	OJ990528_13.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	5287	End	6474
GI	none	Score	80
Exons	5287..5748, 5287..5757, 5287..5802, 5287..5772, 5287..5742, 5287..5544, 5287..5733, 5287..5748, 5329..5760, 5347..5760, 5353..5559, 5410..5631, 5416..5490, 5434..5676, 5461..5760, 5461..5760, 5497..5700, 5566..5634, 5704..5763, 5734..5889, 5767..5922, 5767..5922, 5767..5898, 5767..5904, 5929..6300, 5932..6207, 5956..6300, 5998..6090, 6014..6310, 6085..6366,		

6085..6267, 6085..6294, 6088..6294, 6088..6294, 6139..6300, 6157..6225, 6292..6369, 6295..6363, 6298..6366, 6298..6360, 6367..6474

Seq. No.	36748	Seq. ID	OJ990528_13.9C10.C7
Gene No.	75681	Strand	+
Start	1	End	2055
Name	OJ990528_13.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	2055
GI	6630696	Score	567
Exons	1..69, 1546..2055		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	36748	Seq. ID	OJ990528_13.9C10.C7
Gene No.	75681	Strand	+
Start	1	End	2055
Name	OJ990528_13.9C10.C7.o1.gs	Method	GENSCAN
Start	121	End	337
GI	none	Score	.41
Exons	121..142, 249..337		

Seq. No.	36748	Seq. ID	OJ990528_13.9C10.C7
Gene No.	75681	Strand	+
Start	1	End	2055
Name	OJ990528_13.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	1593	End	1958
GI	none	Score	454
Exons	1593..1958, 1597..1953		

Seq. No.	36749	Seq. ID	OJ990528_13.9C10.C8
Gene No.	75682	Strand	+
Start	1	End	997
Name	OJ990528_13.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	537
GI	6630696	Score	697
Exons	1..537		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	36749	Seq. ID	OJ990528_13.9C10.C8
Gene No.	75682	Strand	+
Start	1	End	997
Name	OJ990528_13.9C10.C8.o1.gs	Method	GENSCAN
Start	265	End	997
GI	none	Score	.55
Exons	265..490, 981..997		

Seq. No.	36749	Seq. ID	OJ990528_13.9C10.C8
Gene No.	75683	Strand	-
Start	1583	End	4262
Name	OJ990528_13.9C10.C8.o2.gs	Method	GENSCAN
Start	1583	End	4262
GI	none	Score	.6
Exons	1583..1607, 1650..1765, 2400..2505, 2594..2752, 3437..3582,		

4257..4262

Seq. No.	36749	Seq. ID	OJ990528_13.9C10.C8
Gene No.	75684	Strand	-
Start	4639	End	4722
Name	OJ990528_13.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	36	End	401
GI	none	Score	445
Exons	36..401, 40..396		

Seq. No.	36749	Seq. ID	OJ990528_13.9C10.C8
Gene No.	75684	Strand	-
Start	4639	End	4722
Name	OJ990528_13.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	411	End	734
GI	none	Score	90
Exons	411..500, 411..500, 412..501, 522..665, 523..666, 675..734		

Seq. No.	36749	Seq. ID	OJ990528_13.9C10.C8
Gene No.	75684	Strand	-
Start	4639	End	4722
Name	OJ990528_13.9C10.C8.o3.np	Method	AAT/NAP
Start	4639	End	4722
GI	5852084	Score	85
Exons	4639..4722		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	36750	Seq. ID	OJ990528_13.9C10.C9
Gene No.	75685	Strand	+
Start	1	End	506
Name	OJ990528_13.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	295
GI	4314358	Score	125
Exons	1..42, 135..295		
GI Descrip.	(AC006340) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	36750	Seq. ID	OJ990528_13.9C10.C9
Gene No.	75685	Strand	+
Start	1	End	506
Name	OJ990528_13.9C10.C9.o1.gs	Method	GENSCAN
Start	128	End	506
GI	none	Score	.87
Exons	128..299, 397..506		

Seq. No.	36751	Seq. ID	OJ990528_13.9C10.C13
Gene No.	75686	Strand	+
Start	135	End	251
Name	OJ990528_13.9C10.C13.o1.gs	Method	GENSCAN
Start	135	End	251
GI	none	Score	.77
Exons	135..251		

Seq. No.	36752	Seq. ID	OJ990528_13.9C10.C16
Gene No.	75687	Strand	-
Start	44	End	859
Name	OJ990528_13.9C10.C16.o1.np	Method	AAT/NAP
Start	44	End	859

GI	5922620	Score	311
Exons	44..174, 454..681, 726..859		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36753	Seq. ID	OJ990528_13.9C10.C17
Gene No.	75688	Strand	-
Start	124	End	298
Name	OJ990528_13.9C10.C17.o1.np	Method	AAT/NAP
Start	124	End	279
GI	2129921	Score	187
Exons	124..279		
GI Descrip.	hypothetical protein 1 - Madagascar periwinkle gi|758694 (U12573) putative [Catharanthus roseus]		

Seq. No.	36753	Seq. ID	OJ990528_13.9C10.C17
Gene No.	75688	Strand	-
Start	124	End	298
Name	OJ990528_13.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	141	End	288
GI	none	Score	200
Exons	141..287, 149..286, 154..288, 183..287		

Seq. No.	36753	Seq. ID	OJ990528_13.9C10.C17
Gene No.	75688	Strand	-
Start	124	End	298
Name	OJ990528_13.9C10.C17.o1.gp	Method	AAT/GAP
Start	142	End	298
GI	4715086	Score	269
Exons	142..298		
GI Descrip.	1421751 3.0e-12 (U60592) putative ORF; conserved in 5' leaders of plant SAMdC [Pisum sativum]		

Seq. No.	36753	Seq. ID	OJ990528_13.9C10.C17
Gene No.	75688	Strand	-
Start	124	End	298
Name	OJ990528_13.9C10.C17.o1.gs	Method	GENSCAN
Start	142	End	298
GI	none	Score	.9
Exons	142..298		

Seq. No.	36754	Seq. ID	OJ990528_13.9C10.C18
Gene No.	75689	Strand	-
Start	205	End	402
Name	OJ990528_13.9C10.C18.o1.np	Method	AAT/NAP
Start	205	End	402
GI	6630699	Score	81
Exons	205..402		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	36755	Seq. ID	OJ990528_13.9C10.C21
Gene No.	75690	Strand	+

Start	146	End	678
Name	OJ990528_13.9C10.C21.o1.gs	Method	GENSCAN
Start	146	End	678
GI	none	Score	.86
Exons	146..493, 551..678		

Seq. No.	36755	Seq. ID	OJ990528_13.9C10.C21
Gene No.	75691	Strand	-
Start	144	End	740
Name	OJ990528_13.9C10.C21.o1.np	Method	AAT/NAP
Start	144	End	740
GI	2104534	Score	184
Exons	144..464, 695..740		
GI Descrip.	(AF001308) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36755	Seq. ID	OJ990528_13.9C10.C21
Gene No.	75691	Strand	-
Start	144	End	740
Name	OJ990528_13.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	144	End	389
GI	none	Score	186
Exons	144..389, 189..389		

Seq. No.	36756	Seq. ID	OJ990528_13.9C10.C23
Gene No.	75692	Strand	-
Start	61	End	2950
Name	OJ990528_13.9C10.C23.o1.gp	Method	AAT/GAP
Start	61	End	2950
GI	1081_1.R1084	Score	3545
Exons	61..1525, 1617..1773, 2735..2950		
GI Descrip.	'3929545/gb|AAC79990.1| 1.0e-180 (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]'		

Seq. No.	36756	Seq. ID	OJ990528_13.9C10.C23
Gene No.	75692	Strand	-
Start	61	End	2950
Name	OJ990528_13.9C10.C23.o1.gs	Method	GENSCAN
Start	159	End	2498
GI	none	Score	.61
Exons	159..1421, 1617..1773, 2470..2498		

Seq. No.	36756	Seq. ID	OJ990528_13.9C10.C23
Gene No.	75692	Strand	-
Start	61	End	2950
Name	OJ990528_13.9C10.C23.o1.np	Method	AAT/NAP
Start	162	End	1346
GI	6646868	Score	2063
Exons	162..1346		
GI Descrip.	(AJ251899) S-adenosylmethionine decarboxylase 2 [Oryza sativa]		

Seq. No.	36756	Seq. ID	OJ990528_13.9C10.C23
Gene No.	75692	Strand	-
Start	61	End	2950
Name	OJ990528_13.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	168	End	1763
GI	none	Score	1370
Exons	168..221, 213..1352, 247..1392, 248..1363, 274..1371,		

1373..1423, 1388..1444, 1406..1435, 1449..1523, 1505..1525, 1616..1762, 1624..1761, 1629..1763

Seq. No.	36756	Seq. ID	OJ990528_13.9C10.C23
Gene No.	75692	Strand	-
Start	61	End	2950
Name	OJ990528_13.9C10.C23.o1.tw	Method	TBLASTX:Wheat
Start	300	End	1762
GI	none	Score	251
Exons	300..530, 301..528, 322..534, 525..1316, 525..1316, 532..1317, 1298..1435, 1372..1428, 1482..1523, 1629..1706, 1630..1704, 1638..1718, 1658..1717, 1710..1730, 1730..1762, 1732..1761		

Seq. No.	36756	Seq. ID	OJ990528_13.9C10.C23
Gene No.	75692	Strand	-
Start	61	End	2950
Name	OJ990528_13.9C10.C23.o1.ts	Method	TBLASTX:Soybean
Start	306	End	1763
GI	none	Score	95
Exons	306..401, 426..665, 435..698, 532..720, 735..809, 742..798, 849..1313, 874..1179, 1216..1314, 1505..1525, 1605..1733, 1617..1706, 1697..1762, 1713..1763		

Seq. No.	36756	Seq. ID	OJ990528_13.9C10.C23
Gene No.	75692	Strand	-
Start	61	End	2950
Name	OJ990528_13.9C10.C23.o1.tc	Method	TBLASTX:Cress
Start	426	End	1756
GI	none	Score	124
Exons	426..698, 456..698, 532..699, 723..797, 724..798, 736..798, 816..842, 858..1310, 858..1313, 913..1311, 1609..1698, 1617..1706, 1623..1730, 1709..1756, 1710..1754		

Seq. No.	36756	Seq. ID	OJ990528_13.9C10.C23
Gene No.	75692	Strand	-
Start	61	End	2950
Name	OJ990528_13.9C10.C23.o2.np	Method	AAT/NAP
Start	1617	End	1754
GI	2129921	Score	194
Exons	1617..1754		
GI Descrip.	hypothetical protein 1 - Madagascar periwinkle gi|758694 (U12573) putative [Catharanthus roseus]		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75693	Strand	+
Start	333	End	545
Name	OJ990528_13.9C10.C24.o1.gs	Method	GENSCAN
Start	333	End	545
GI	none	Score	.42
Exons	333..545		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o2.gs	Method	GENSCAN
Start	1462	End	9337
GI	none	Score	.55

Exons	1462..1584, 2525..2710, 2717..2860, 3059..4120, 4484..4640, 4694..5219, 5260..6088, 7105..7218, 7841..8602, 8611..9337		
Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o2.tw	Method	TBLASTX:Wheat
Start	2438	End	2806
GI	none	Score	222
Exons	2438..2512, 2444..2806		
Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o6.tm	Method	TBLASTX:Maize
Start	2564	End	2965
GI	none	Score	205
Exons	2564..2965, 2600..2815		
Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o1.np	Method	AAT/NAP
Start	2968	End	6777
GI	6630685	Score	3388
Exons	2968..3003, 4682..6777		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o5.tm	Method	TBLASTX:Maize
Start	4388	End	4690
GI	none	Score	49
Exons	4388..4462, 4389..4463, 4390..4467, 4473..4568, 4475..4672, 4487..4690, 4492..4689		
Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o3.tw	Method	TBLASTX:Wheat
Start	4690	End	5013
GI	none	Score	88
Exons	4690..4758, 4690..4755, 4747..4911, 4758..4922, 4933..5013		
Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o4.tm	Method	TBLASTX:Maize
Start	4690	End	5103
GI	none	Score	362
Exons	4690..5103, 4696..4986, 4698..4991, 4995..5036		
Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337

Name	OJ990528_13.9C10.C24.o3.tm	Method	TBLASTX:Maize
Start	5125	End	5436
GI	none	Score	121
Exons	5125..5205, 5127..5207, 5210..5434, 5213..5431, 5215..5436		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o1.ts	Method	TBLASTX:Soybean
Start	5152	End	5750
GI	5509260	Score	81
Exons	5152..5205, 5154..5204, 5207..5374, 5213..5359, 5368..5667, 5369..5749, 5555..5749, 5682..5750		
GI Descrip.	-		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o1.tw	Method	TBLASTX:Wheat
Start	5269	End	5731
GI	none	Score	89
Exons	5269..5358, 5285..5359, 5380..5535, 5388..5594, 5390..5731, 5392..5667		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o2.tc	Method	TBLASTX:Cress
Start	5351	End	5632
GI	none	Score	201
Exons	5351..5632, 5431..5598		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o2.tm	Method	TBLASTX:Maize
Start	5555	End	5989
GI	none	Score	612
Exons	5555..5989, 5555..5920, 5556..5987, 5719..5988		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	6103	End	6810
GI	none	Score	985
Exons	6103..6807, 6110..6556, 6111..6800, 6451..6810		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o2.ts	Method	TBLASTX:Soybean
Start	6121	End	6762
GI	none	Score	310
Exons	6121..6510, 6310..6504, 6345..6509, 6529..6762		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24

Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o4.tw	Method	TBLASTX:Wheat
Start	6259	End	6726
GI	none	Score	125
Exons	6259..6519, 6414..6494, 6538..6726, 6597..6713		

Seq. No.	36757	Seq. ID	OJ990528_13.9C10.C24
Gene No.	75694	Strand	+
Start	1462	End	9337
Name	OJ990528_13.9C10.C24.o1.tc	Method	TBLASTX:Cress
Start	6304	End	6759
GI	none	Score	66
Exons	6304..6390, 6394..6528, 6546..6707, 6547..6759		

Seq. No.	36758	Seq. ID	OJ990528_13.9C10.C28
Gene No.	75695	Strand	+
Start	1	End	3789
Name	OJ990528_13.9C10.C28.o1.np	Method	AAT/NAP
Start	1	End	3789
GI	2980780	Score	215
Exons	1..369, 2901..3003, 3503..3581, 3707..3789		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	36758	Seq. ID	OJ990528_13.9C10.C28
Gene No.	75695	Strand	+
Start	1	End	3789
Name	OJ990528_13.9C10.C28.o1.gs	Method	GENSCAN
Start	1253	End	2117
GI	none	Score	.67
Exons	1253..1279, 1986..2117		

Seq. No.	36758	Seq. ID	OJ990528_13.9C10.C28
Gene No.	75696	Strand	-
Start	2675	End	3196
Name	OJ990528_13.9C10.C28.o2.gs	Method	GENSCAN
Start	2675	End	3196
GI	none	Score	.63
Exons	2675..2877, 3073..3196		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75697	Strand	+
Start	1	End	2181
Name	OJ990528_13.9C10.C29.o1.np	Method	AAT/NAP
Start	1	End	2181
GI	2980780	Score	472
Exons	1..129, 911..1082, 1180..1260, 2028..2181		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75697	Strand	+
Start	1	End	2181
Name	OJ990528_13.9C10.C29.o1.gs	Method	GENSCAN
Start	949	End	1797
GI	none	Score	.77
Exons	949..1082, 1180..1260, 1791..1797		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75698	Strand	-
Start	2351	End	3139
Name	OJ990528_13.9C10.C29.o2.gs	Method	GENSCAN
Start	2351	End	3139
GI	none	Score	.57
Exons	2351..2431, 2885..3139		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75699	Strand	-
Start	3259	End	3662
Name	OJ990528_13.9C10.C29.o1.tm	Method	TBLASTX:Maize
Start	43	End	1269
GI	none	Score	139
Exons	43..129, 45..128, 45..143, 49..129, 898..1041, 909..1082, 910..1083, 1034..1126, 1179..1268, 1179..1268, 1180..1269		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75699	Strand	-
Start	3259	End	3662
Name	OJ990528_13.9C10.C29.o1.ts	Method	TBLASTX:Soybean
Start	63	End	2094
GI	none	Score	62
Exons	63..128, 892..1029, 910..1083, 1005..1082, 1184..1270, 2053..2094		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75699	Strand	-
Start	3259	End	3662
Name	OJ990528_13.9C10.C29.o1.tc	Method	TBLASTX:Cress
Start	909	End	1270
GI	none	Score	222
Exons	909..1082, 910..1083, 1184..1270, 1186..1257		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75699	Strand	-
Start	3259	End	3662
Name	OJ990528_13.9C10.C29.o1.tw	Method	TBLASTX:Wheat
Start	963	End	2234
GI	none	Score	230
Exons	963..1082, 964..1083, 968..1084, 1025..1126, 1179..1268, 1180..1269, 1180..1269, 2014..2157, 2025..2159, 2172..2234, 2173..2232		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75699	Strand	-
Start	3259	End	3662
Name	OJ990528_13.9C10.C29.o1.gp	Method	AAT/GAP
Start	3259	End	3662
GI	1081_1.R1084	Score	774
Exons	3259..3662		
GI Descrip.	'3929545/gb|AAC79990.1| 1.0e-180 (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]'		

Seq. No.	36759	Seq. ID	OJ990528_13.9C10.C29
Gene No.	75699	Strand	-
Start	3259	End	3662

Name	OJ990528_13.9C10.C29.o2.np	Method	AAT/NAP
Start	3512	End	3662
GI	6646868	Score	231
Exons	3512..3662		
GI Descrip.	(AJ251899) S-adenosylmethionine decarboxylase 2 [Oryza sativa]		

Seq. No.	36760	Seq. ID	OJ990528_13.9C10.C30
Gene No.	75700	Strand	-
Start	1	End	183
Name	OJ990528_13.9C10.C30.o1.gp	Method	AAT/GAP
Start	1	End	183
GI	4715086	Score	203
Exons	1..183		
GI Descrip.	1421751 3.0e-12 (U60592) putative ORF; conserved in 5' leaders of plant SAMdC [Pisum sativum]		

Seq. No.	36760	Seq. ID	OJ990528_13.9C10.C30
Gene No.	75700	Strand	-
Start	1	End	183
Name	OJ990528_13.9C10.C30.o1.gs	Method	GENSCAN
Start	60	End	183
GI	none	Score	.88
Exons	60..183		

Seq. No.	36761	Seq. ID	OJ990528_13.9C10.C34
Gene No.	75701	Strand	+
Start	61	End	4769
Name	OJ990528_13.9C10.C34.o1.gs	Method	GENSCAN
Start	61	End	4723
GI	none	Score	.68
Exons	61..237, 405..652, 720..801, 1160..1271, 1620..1762, 2347..2362, 2774..3210, 3750..3897, 4126..4204, 4612..4723		

Seq. No.	36761	Seq. ID	OJ990528_13.9C10.C34
Gene No.	75701	Strand	+
Start	61	End	4769
Name	OJ990528_13.9C10.C34.o1.tm	Method	TBLASTX:Maize
Start	688	End	3054
GI	none	Score	40
Exons	688..735, 766..804, 783..809, 915..1001, 922..1056, 1118..1273, 1120..1185, 1121..1276, 1601..1765, 1615..1806, 2074..2232, 2076..2219, 2077..2226, 2078..2227, 2644..2727, 2646..2726, 2811..2882, 2812..2898, 2815..2898, 2890..3054, 2925..3053		

Seq. No.	36761	Seq. ID	OJ990528_13.9C10.C34
Gene No.	75701	Strand	+
Start	61	End	4769
Name	OJ990528_13.9C10.C34.o1.np	Method	AAT/NAP
Start	751	End	4756
GI	3063698	Score	622
Exons	751..801, 924..1002, 1119..1271, 1620..1772, 2043..2226, 2646..2726, 2776..2902, 3005..3210, 3750..3897, 4091..4242, 4643..4756		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	36761	Seq. ID	OJ990528_13.9C10.C34
Gene No.	75701	Strand	+

Start	61	End	4769
Name	OJ990528_13.9C10.C34.o1.gp	Method	AAT/GAP
Start	2107	End	3122
GI	uC-osflcyp058a08b1	Score	912
Exons	2107..2226, 2646..2726, 2814..3122		
GI Descrip.	'1421751 3.0e-12 (U60592) putative ORF; conserved in 5'' leaders of plant SAMdC [Pisum sativum]'		

Seq. No.	36761	Seq. ID	OJ990528_13.9C10.C34
Gene No.	75701	Strand	+
Start	61	End	4769
Name	OJ990528_13.9C10.C34.o1.tw	Method	TBLASTX:Wheat
Start	2896	End	3899
GI	none	Score	54
Exons	2896..3006, 2964..3209, 3085..3210, 3713..3898, 3735..3899		

Seq. No.	36761	Seq. ID	OJ990528_13.9C10.C34
Gene No.	75701	Strand	+
Start	61	End	4769
Name	OJ990528_13.9C10.C34.o2.tm	Method	TBLASTX:Maize
Start	3138	End	4769
GI	none	Score	63
Exons	3138..3203, 3150..3209, 3160..3210, 3719..3850, 3747..3860, 3788..3898, 3833..3901, 3846..3914, 3849..3905, 4077..4220, 4102..4212, 4125..4217, 4610..4681, 4676..4711, 4749..4769		

Seq. No.	36762	Seq. ID	OJ990528_13.9C10.C35
Gene No.	75702	Strand	+
Start	1028	End	1642
Name	OJ990528_13.9C10.C35.o1.gs	Method	GENSCAN
Start	1028	End	1642
GI	none	Score	.53
Exons	1028..1376, 1525..1642		

Seq. No.	36762	Seq. ID	OJ990528_13.9C10.C35
Gene No.	75703	Strand	-
Start	1	End	4656
Name	OJ990528_13.9C10.C35.o1.np	Method	AAT/NAP
Start	1	End	1766
GI	5596996	Score	133
Exons	1..199, 277..418, 1727..1766		
GI Descrip.	(Y14600) putative protein serine /threonine kinase [Sorghum bicolor]		

Seq. No.	36762	Seq. ID	OJ990528_13.9C10.C35
Gene No.	75703	Strand	-
Start	1	End	4656
Name	OJ990528_13.9C10.C35.o2.np	Method	AAT/NAP
Start	1	End	2172
GI	6522590	Score	152
Exons	1..439, 602..785, 2083..2172		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36762	Seq. ID	OJ990528_13.9C10.C35
Gene No.	75703	Strand	-
Start	1	End	4656
Name	OJ990528_13.9C10.C35.o2.gs	Method	GENSCAN

Start	2031	End	4656
GI	none	Score	.41
Exons	2031..2571, 4607..4656		

Seq. No.	36763	Seq. ID	OJ990528_13.9C10.C36
Gene No.	75704	Strand	+
Start	450	End	1435
Name	OJ990528_13.9C10.C36.o1.gs	Method	GENSCAN
Start	450	End	1435
GI	none	Score	.42
Exons	450..523, 1179..1256, 1333..1435		

Seq. No.	36764	Seq. ID	OJ990528_13.9C10.C37
Gene No.	75705	Strand	-
Start	100	End	318
Name	OJ990528_13.9C10.C37.o1.gs	Method	GENSCAN
Start	100	End	318
GI	none	Score	.67
Exons	100..318		

Seq. No.	36765	Seq. ID	OJ990528_13.9C10.C38
Gene No.	75706	Strand	-
Start	1	End	1237
Name	OJ990528_13.9C10.C38.o1.np	Method	AAT/NAP
Start	1	End	1237
GI	6016687	Score	230
Exons	1..94, 626..1237		
GI Descrip.	(AC009991) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	36766	Seq. ID	OJ990528_13.9C10.C41
Gene No.	75707	Strand	+
Start	442	End	680
Name	OJ990528_13.9C10.C41.o1.gs	Method	GENSCAN
Start	442	End	667
GI	none	Score	.52
Exons	442..667		

Seq. No.	36766	Seq. ID	OJ990528_13.9C10.C41
Gene No.	75707	Strand	+
Start	442	End	680
Name	OJ990528_13.9C10.C41.o1.gp	Method	AAT/GAP
Start	515	End	680
GI	42626_1.R1084	Score	254
Exons	515..680		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	36767	Seq. ID	OJ990528_13.9C10.C42
Gene No.	75708	Strand	-
Start	1	End	1615
Name	OJ990528_13.9C10.C42.o1.np	Method	AAT/NAP
Start	1	End	1615
GI	4314358	Score	99
Exons	1..43, 1290..1378, 1459..1615		
GI Descrip.	(AC006340) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	36767	Seq. ID	OJ990528_13.9C10.C42
Gene No.	75708	Strand	-
Start	1	End	1615
Name	OJ990528_13.9C10.C42.o1.gs	Method	GENSCAN
Start	644	End	1483
GI	none	Score	.61
Exons	644..891, 1292..1378, 1402..1483		

Seq. No.	36768	Seq. ID	OJ990528_13.9C10.C45
Gene No.	75709	Strand	+
Start	2842	End	4154
Name	OJ990528_13.9C10.C45.o1.gs	Method	GENSCAN
Start	2842	End	3901
GI	none	Score	.98
Exons	2842..3616, 3758..3901		

Seq. No.	36768	Seq. ID	OJ990528_13.9C10.C45
Gene No.	75709	Strand	+
Start	2842	End	4154
Name	OJ990528_13.9C10.C45.o2.np	Method	AAT/NAP
Start	2887	End	4154
GI	6648213	Score	822
Exons	2887..3616, 3758..3908, 4095..4154		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	36768	Seq. ID	OJ990528_13.9C10.C45
Gene No.	75710	Strand	-
Start	1	End	2620
Name	OJ990528_13.9C10.C45.o1.gp	Method	AAT/GAP
Start	1	End	2620
GI	none	Score	1487
Exons	1..286, 435..536, 1232..1345, 1698..1782, 2416..2620		

Seq. No.	36768	Seq. ID	OJ990528_13.9C10.C45
Gene No.	75710	Strand	-
Start	1	End	2620
Name	OJ990528_13.9C10.C45.o1.np	Method	AAT/NAP
Start	1	End	1306
GI	4455361	Score	140
Exons	1..50, 449..536, 1232..1306		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	36768	Seq. ID	OJ990528_13.9C10.C45
Gene No.	75711	Strand	
Start	2798	End	3900
Name	OJ990528_13.9C10.C45.o1.tm	Method	TBLASTX:Maize
Start	2798	End	3399
GI	none	Score	42
Exons	2798..2821, 2799..2822, 2860..2913, 2868..2912, 3106..3399, 3180..3395		

Seq. No.	36768	Seq. ID	OJ990528_13.9C10.C45
Gene No.	75711	Strand	
Start	2798	End	3900
Name	OJ990528_13.9C10.C45.o1.tc	Method	TBLASTX:Cress
Start	3109	End	3900
GI	none	Score	709

Exons	3109..3615, 3180..3437, 3483..3614, 3754..3900, 3846..3899		
Seq. No.	36768	Seq. ID	OJ990528_13.9C10.C45
Gene No.	75711	Strand	
Start	2798	End	3900
Name	OJ990528_13.9C10.C45.o1.ts	Method	TBLASTX:Soybean
Start	3109	End	3615
GI	none	Score	607
Exons	3109..3552, 3180..3551, 3549..3614, 3550..3615		
Seq. No.	36769	Seq. ID	OJ990528_13.9C10.C46
Gene No.	75712	Strand	+
Start	1	End	2542
Name	OJ990528_13.9C10.C46.o1.np	Method	AAT/NAP
Start	1	End	449
GI	6648213	Score	320
Exons	1..54, 187..449		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		
Seq. No.	36769	Seq. ID	OJ990528_13.9C10.C46
Gene No.	75712	Strand	+
Start	1	End	2542
Name	OJ990528_13.9C10.C46.o1.ts	Method	TBLASTX:Soybean
Start	176	End	475
GI	none	Score	224
Exons	176..475, 177..419		
Seq. No.	36769	Seq. ID	OJ990528_13.9C10.C46
Gene No.	75712	Strand	+
Start	1	End	2542
Name	OJ990528_13.9C10.C46.o1.tc	Method	TBLASTX:Cress
Start	185	End	454
GI	none	Score	235
Exons	185..454, 186..419		
Seq. No.	36769	Seq. ID	OJ990528_13.9C10.C46
Gene No.	75712	Strand	+
Start	1	End	2542
Name	OJ990528_13.9C10.C46.o1.tm	Method	TBLASTX:Maize
Start	185	End	490
GI	none	Score	308
Exons	185..457, 186..419, 194..490		
Seq. No.	36769	Seq. ID	OJ990528_13.9C10.C46
Gene No.	75712	Strand	+
Start	1	End	2542
Name	OJ990528_13.9C10.C46.o1.gs	Method	GENSCAN
Start	193	End	2542
GI	none	Score	.55
Exons	193..403, 784..1051, 1137..1331, 1438..1609, 1679..1766, 2455..2542		
Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75713	Strand	+
Start	2083	End	3080
Name	OJ990528_13.9C10.C47.o2.np	Method	AAT/NAP
Start	1712	End	1819

GI	5922619	Score	102
Exons	1712..1819		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75713	Strand	+
Start	2083	End	3080
Name	OJ990528_13.9C10.C47.o2.gs	Method	GENSCAN
Start	2083	End	3080
GI	none	Score	.8
Exons	2083..2142, 2176..2313, 2561..2585, 2902..3080		

Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75714	Strand	-
Start	1	End	412
Name	OJ990528_13.9C10.C47.o1.np	Method	AAT/NAP
Start	1	End	412
GI	1420873	Score	456
Exons	1..412		
GI Descrip.	(X98891) inorganic phosphate transporter 2 [Solanum tuberosum]		

Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75714	Strand	-
Start	1	End	412
Name	OJ990528_13.9C10.C47.o1.gs	Method	GENSCAN
Start	22	End	372
GI	none	Score	.7
Exons	22..372		

Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75715	Strand	-
Start	1958	End	3302
Name	OJ990528_13.9C10.C47.o1.tm	Method	TBLASTX:Maize
Start	1	End	408
GI	none	Score	206
Exons	1..183, 8..403, 31..408		

Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75715	Strand	-
Start	1958	End	3302
Name	OJ990528_13.9C10.C47.o1.tc	Method	TBLASTX:Cress
Start	2	End	409
GI	none	Score	349
Exons	2..409, 28..408		

Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75715	Strand	-
Start	1958	End	3302
Name	OJ990528_13.9C10.C47.o1.ts	Method	TBLASTX:Soybean
Start	28	End	231
GI	none	Score	95
Exons	28..186, 28..231, 32..217		

Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75715	Strand	-

Start	1958	End	3302
Name	OJ990528_13.9C10.C47.o2.ts	Method	TBLASTX:Soybean
Start	295	End	409
GI	none	Score	145
Exons	295..408, 296..409		

Seq. No.	36770	Seq. ID	OJ990528_13.9C10.C47
Gene No.	75715	Strand	-
Start	1958	End	3302
Name	OJ990528_13.9C10.C47.o3.np	Method	AAT/NAP
Start	1958	End	3302
GI	6630699	Score	69
Exons	1958..2041, 3260..3302		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	36771	Seq. ID	OJ990528_13.9C10.C48
Gene No.	75716	Strand	+
Start	1	End	1004
Name	OJ990528_13.9C10.C48.o1.np	Method	AAT/NAP
Start	1	End	1004
GI	5922619	Score	90
Exons	1..128, 905..1004		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	36771	Seq. ID	OJ990528_13.9C10.C48
Gene No.	75716	Strand	+
Start	1	End	1004
Name	OJ990528_13.9C10.C48.o1.gs	Method	GENSCAN
Start	75	End	439
GI	none	Score	.68
Exons	75..139, 298..439		

Seq. No.	36771	Seq. ID	OJ990528_13.9C10.C48
Gene No.	75717	Strand	+
Start	2806	End	4037
Name	OJ990528_13.9C10.C48.o2.gs	Method	GENSCAN
Start	2806	End	4037
GI	none	Score	.97
Exons	2806..3087, 3638..4037		

Seq. No.	36771	Seq. ID	OJ990528_13.9C10.C48
Gene No.	75718	Strand	-
Start	1	End	2487
Name	OJ990528_13.9C10.C48.o3.np	Method	AAT/NAP
Start	1	End	1437
GI	6721547	Score	98
Exons	1..52, 1340..1437		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	36771	Seq. ID	OJ990528_13.9C10.C48
Gene No.	75718	Strand	-
Start	1	End	2487
Name	OJ990528_13.9C10.C48.o2.np	Method	AAT/NAP

Start	1143	End	2487
GI	6630699	Score	68
Exons	1143..1231, 2435..2487		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	36772	Seq. ID	OJ990528_13.9C10.C49
Gene No.	75719	Strand	-
Start	2302	End	2358
Name	OJ990528_13.9C10.C49.o2.gs	Method	GENSCAN
Start	2302	End	2358
GI	none	Score	.94
Exons	2302..2358		

Seq. No.	36773	Seq. ID	OJ990528_13.9C10.C50
Gene No.	75720	Strand	-
Start	1225	End	1726
Name	OJ990528_13.9C10.C50.o1.gs	Method	GENSCAN
Start	1225	End	1726
GI	none	Score	.68
Exons	1225..1373, 1600..1726		

Seq. No.	36774	Seq. ID	OJ990528_13.9C10.C52
Gene No.	75721	Strand	-
Start	370	End	478
Name	OJ990528_13.9C10.C52.o1.gs	Method	GENSCAN
Start	370	End	478
GI	none	Score	.88
Exons	370..478		

Seq. No.	36775	Seq. ID	OJ990528_13.9C10.C53
Gene No.	75722	Strand	-
Start	1	End	836
Name	OJ990528_13.9C10.C53.o1.np	Method	AAT/NAP
Start	1	End	836
GI	6453879	Score	175
Exons	1..89, 288..423, 739..836		
GI Descrip.	(AC011717) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	36775	Seq. ID	OJ990528_13.9C10.C53
Gene No.	75722	Strand	-
Start	1	End	836
Name	OJ990528_13.9C10.C53.o1.tm	Method	TBLASTX:Maize
Start	269	End	834
GI	none	Score	186
Exons	269..424, 274..423, 736..834, 737..829		

Seq. No.	36776	Seq. ID	OJ990528_13.9C10.C54
Gene No.	75723	Strand	+
Start	201	End	333
Name	OJ990528_13.9C10.C54.o1.gs	Method	GENSCAN
Start	201	End	333
GI	none	Score	.69
Exons	201..333		

Seq. No.	36776	Seq. ID	OJ990528_13.9C10.C54

Gene No.	75724	Strand	-
Start	963	End	1124
Name	OJ990528_13.9C10.C54.o2.gs	Method	GENSCAN
Start	963	End	1124
GI	none	Score	.63
Exons	963..1124		

Seq. No.	36777	Seq. ID	OJ990528_13.9C10.C56
Gene No.	75725	Strand	+
Start	1	End	1042
Name	OJ990528_13.9C10.C56.o1.gp	Method	AAT/GAP
Start	1	End	542
GI	5455419	Score	894
Exons	1..270, 352..542		
GI Descrip.	4091806 2.0e-12 (AF052585) CONSTANS-like protein 2 [Malus domestica]		

Seq. No.	36777	Seq. ID	OJ990528_13.9C10.C56
Gene No.	75725	Strand	+
Start	1	End	1042
Name	OJ990528_13.9C10.C56.o1.np	Method	AAT/NAP
Start	1	End	664
GI	4091806	Score	195
Exons	1..617, 645..664		
GI Descrip.	(AF052585) CONSTANS-like protein 2 [Malus domestica]		

Seq. No.	36777	Seq. ID	OJ990528_13.9C10.C56
Gene No.	75725	Strand	+
Start	1	End	1042
Name	OJ990528_13.9C10.C56.o1.tm	Method	TBLASTX:Maize
Start	65	End	542
GI	none	Score	36
Exons	65..118, 88..267, 107..259, 135..269, 136..324, 351..386, 355..387, 436..540, 444..542		

Seq. No.	36777	Seq. ID	OJ990528_13.9C10.C56
Gene No.	75725	Strand	+
Start	1	End	1042
Name	OJ990528_13.9C10.C56.o1.gs	Method	GENSCAN
Start	73	End	1000
GI	none	Score	.67
Exons	73..270, 352..730, 870..1000		

Seq. No.	36777	Seq. ID	OJ990528_13.9C10.C56
Gene No.	75725	Strand	+
Start	1	End	1042
Name	OJ990528_13.9C10.C56.o2.gp	Method	AAT/GAP
Start	759	End	1042
GI	3768898	Score	401
Exons	759..972, 1011..1042		

Seq. No.	36778	Seq. ID	OJ990528_13.9C10.C57
Gene No.	75726	Strand	-
Start	879	End	3881
Name	OJ990528_13.9C10.C57.o1.gp	Method	AAT/GAP
Start	576	End	2933
GI	3770_1.R1084	Score	1563

Exons	576..1053, 1697..1955, 2844..2933		
GI Descrip.	'3435096/gb|AAD12770.1| 4.0e-24 (AF033587) SRZ21 [Arabidopsis thaliana]'		
Seq. No.	36778	Seq. ID	OJ990528_13.9C10.C57
Gene No.	75726	Strand	-
Start	879	End	3881
Name	OJ990528_13.9C10.C57.o1.gs	Method	GENSCAN
Start	879	End	3881
GI	none	Score	.87
Exons	879..1053, 1697..1955, 2844..2932, 3814..3881		
Seq. No.	36778	Seq. ID	OJ990528_13.9C10.C57
Gene No.	75726	Strand	-
Start	879	End	3881
Name	OJ990528_13.9C10.C57.o1.np	Method	AAT/NAP
Start	888	End	3129
GI	3281869	Score	331
Exons	888..1053, 1697..1732, 1763..1955, 2844..2949, 3058..3129		
GI Descrip.	(AL031004) RSZp22 splicing factor [Arabidopsis thaliana] gi|3435094|gb|AAD12769.1| (AF033586) 9G8-like SR protein [Arabidopsis thaliana]		
Seq. No.	36779	Seq. ID	OJ990528_13.9C10.C58
Gene No.	75727	Strand	-
Start	1	End	440
Name	OJ990528_13.9C10.C58.o1.gp	Method	AAT/GAP
Start	1	End	440
GI	3770_1.R1084	Score	350
Exons	1..126, 333..440		
GI Descrip.	'3435096/gb|AAD12770.1| 4.0e-24 (AF033587) SRZ21 [Arabidopsis thaliana]'		
Seq. No.	36779	Seq. ID	OJ990528_13.9C10.C58
Gene No.	75727	Strand	-
Start	1	End	440
Name	OJ990528_13.9C10.C58.o1.np	Method	AAT/NAP
Start	1	End	112
GI	3281869	Score	113
Exons	1..112		
GI Descrip.	(AL031004) RSZp22 splicing factor [Arabidopsis thaliana] gi|3435094|gb|AAD12769.1| (AF033586) 9G8-like SR protein [Arabidopsis thaliana]		
Seq. No.	36779	Seq. ID	OJ990528_13.9C10.C58
Gene No.	75727	Strand	-
Start	1	End	440
Name	OJ990528_13.9C10.C58.o1.gs	Method	GENSCAN
Start	25	End	126
GI	none	Score	.45
Exons	25..126		
Seq. No.	36780	Seq. ID	OJ990528_13.9C10.C60
Gene No.	75728	Strand	-
Start	309	End	544
Name	OJ990528_13.9C10.C60.o1.np	Method	AAT/NAP
Start	309	End	544

GI	6815052	Score	187
Exons	309..544		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36781	Seq. ID	OJ990528_13.9C10.C63
Gene No.	75729	Strand	+
Start	265	End	383
Name	OJ990528_13.9C10.C63.o1.gs	Method	GENSCAN
Start	265	End	383
GI	none	Score	.4
Exons	265..383		

Seq. No.	36782	Seq. ID	OJ990528_13.9C10.C66
Gene No.	75730	Strand	-
Start	67	End	870
Name	OJ990528_13.9C10.C66.o1.gs	Method	GENSCAN
Start	67	End	842
GI	none	Score	.6
Exons	67..161, 166..283, 722..842		

Seq. No.	36782	Seq. ID	OJ990528_13.9C10.C66
Gene No.	75730	Strand	-
Start	67	End	870
Name	OJ990528_13.9C10.C66.o1.np	Method	AAT/NAP
Start	165	End	870
GI	6815052	Score	418
Exons	165..283, 566..641, 723..870		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36783	Seq. ID	OJ990528_13.9C10.C67
Gene No.	75731	Strand	+
Start	91	End	242
Name	OJ990528_13.9C10.C67.o1.gs	Method	GENSCAN
Start	91	End	242
GI	none	Score	.43
Exons	91..242		

Seq. No.	36784	Seq. ID	OJ990528_13.9C10.C71
Gene No.	75732	Strand	-
Start	197	End	328
Name	OJ990528_13.9C10.C71.o1.gs	Method	GENSCAN
Start	197	End	328
GI	none	Score	.4
Exons	197..328		

Seq. No.	36785	Seq. ID	OJ990528_13.9C10.C73
Gene No.	75733	Strand	-
Start	1274	End	1736
Name	OJ990528_13.9C10.C73.o1.gs	Method	GENSCAN
Start	1274	End	1736
GI	none	Score	.58
Exons	1274..1326, 1352..1495, 1572..1736		

Seq. No.	36786	Seq. ID	OJ990528_13.9C10.C74
Gene No.	75734	Strand	-
Start	545	End	2870
Name	OJ990528_13.9C10.C74.o1.np	Method	AAT/NAP

Start	545	End	2870
GI	2760837	Score	93
Exons	545..591, 2136..2260, 2353..2477, 2847..2870		
GI Descrip.	(AC003105) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	36786	Seq. ID	OJ990528_13.9C10.C74
Gene No.	75734	Strand	-
Start	545	End	2870
Name	OJ990528_13.9C10.C74.o2.gs	Method	GENSCAN
Start	1867	End	2510
GI	none	Score	.9
Exons	1867..2352, 2373..2510		

Seq. No.	36787	Seq. ID	OJ990528_13.9C10.C76
Gene No.	75735	Strand	-
Start	1534	End	3225
Name	OJ990528_13.9C10.C76.o1.gs	Method	GENSCAN
Start	1534	End	3225
GI	none	Score	.68
Exons	1534..1636, 2493..2716, 2739..2889, 2926..3082, 3148..3225		

Seq. No.	36788	Seq. ID	OJ990818_14.9C08.C1
Gene No.	75736	Strand	+
Start	4604	End	4932
Name	OJ990818_14.9C08.C1.o1.gs	Method	GENSCAN
Start	4604	End	4932
GI	none	Score	.86
Exons	4604..4734, 4884..4932		

Seq. No.	36788	Seq. ID	OJ990818_14.9C08.C1
Gene No.	75737	Strand	-
Start	5113	End	8252
Name	OJ990818_14.9C08.C1.o1.np	Method	AAT/NAP
Start	5113	End	8252
GI	6652882	Score	170
Exons	5113..5133, 6476..6944, 8223..8252		
GI Descrip.	(AF123392) 26S proteasome AAA-ATPase subunit RPT3 [Arabidopsis thaliana]		

Seq. No.	36789	Seq. ID	OJ990818_14.9C08.C2
Gene No.	75738	Strand	-
Start	1613	End	2691
Name	OJ990818_14.9C08.C2.o1.gs	Method	GENSCAN
Start	1613	End	2691
GI	none	Score	.61
Exons	1613..1743, 2275..2351, 2519..2691		

Seq. No.	36790	Seq. ID	OJ990818_14.9C08.C3
Gene No.	75739	Strand	+
Start	2903	End	5024
Name	OJ990818_14.9C08.C3.o1.gs	Method	GENSCAN
Start	2903	End	5024
GI	none	Score	.8
Exons	2903..3085, 4524..5024		

Seq. No.	36791	Seq. ID	OJ990818_14.9C08.C4
Gene No.	75740	Strand	+

Start	1568	End	4278
Name	OJ990818_14.9C08.C4.o1.gs	Method	GENSCAN
Start	1568	End	4278
GI	none	Score	.62
Exons	1568..1661, 2643..2811, 2982..3808, 3871..4278		

Seq. No.	36791	Seq. ID	OJ990818_14.9C08.C4
Gene No.	75740	Strand	+
Start	1568	End	4278
Name	OJ990818_14.9C08.C4.o1.np	Method	AAT/NAP
Start	2584	End	4157
GI	6539588	Score	197
Exons	2584..2871, 4115..4157		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36792	Seq. ID	OJ990818_14.9C08.C5
Gene No.	75741	Strand	+
Start	572	End	1139
Name	OJ990818_14.9C08.C5.o1.gs	Method	GENSCAN
Start	572	End	1139
GI	none	Score	.84
Exons	572..637, 1078..1139		

Seq. No.	36792	Seq. ID	OJ990818_14.9C08.C5
Gene No.	75742	Strand	+
Start	5039	End	7108
Name	OJ990818_14.9C08.C5.o1.np	Method	AAT/NAP
Start	5039	End	7108
GI	5922634	Score	127
Exons	5039..5138, 7091..7108		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	36792	Seq. ID	OJ990818_14.9C08.C5
Gene No.	75743	Strand	-
Start	3137	End	5223
Name	OJ990818_14.9C08.C5.o2.gs	Method	GENSCAN
Start	3137	End	5223
GI	none	Score	.64
Exons	3137..3287, 4677..4825, 5116..5223		

Seq. No.	36793	Seq. ID	OJ990818_14.9C08.C7
Gene No.	75744	Strand	+
Start	365	End	2109
Name	OJ990818_14.9C08.C7.o1.gs	Method	GENSCAN
Start	365	End	2109
GI	none	Score	.47
Exons	365..387, 1726..1882, 2065..2109		

Seq. No.	36793	Seq. ID	OJ990818_14.9C08.C7
Gene No.	75745	Strand	-
Start	2905	End	3394
Name	OJ990818_14.9C08.C7.o2.gs	Method	GENSCAN
Start	2905	End	3394
GI	none	Score	.97
Exons	2905..2978, 3385..3394		

Seq. No.	36794	Seq. ID	OJ990818_14.9C08.C8
Gene No.	75746	Strand	+
Start	715	End	1510
Name	OJ990818_14.9C08.C8.o1.np	Method	AAT/NAP
Start	715	End	1510
GI	6907086	Score	853
Exons	715..1510		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36794	Seq. ID	OJ990818_14.9C08.C8
Gene No.	75746	Strand	+
Start	715	End	1510
Name	OJ990818_14.9C08.C8.o1.gs	Method	GENSCAN
Start	898	End	1465
GI	none	Score	.83
Exons	898..1074, 1079..1465		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75747	Strand	+
Start	6189	End	9319
Name	OJ990818_14.9C08.C9.o2.gs	Method	GENSCAN
Start	6189	End	8336
GI	none	Score	.52
Exons	6189..6196, 6481..6638, 7858..8336		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75747	Strand	+
Start	6189	End	9319
Name	OJ990818_14.9C08.C9.o5.np	Method	AAT/NAP
Start	7586	End	9319
GI	6907086	Score	1379
Exons	7586..8361, 8422..8660, 8887..8937, 9061..9319		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o1.np	Method	AAT/NAP
Start	1	End	4517
GI	4680179	Score	3378
Exons	1..2526, 2629..3449, 3688..3819, 4370..4517		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o3.tm	Method	TBLASTX:Maize
Start	53	End	311
GI	none	Score	231
Exons	53..310, 72..311, 120..311		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o2.ts	Method	TBLASTX:Soybean
Start	71	End	326

GI	none	Score	182
Exons	71..319, 72..326		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o1.tc	Method	TBLASTX:Cress
Start	95	End	412
GI	none	Score	101
Exons	95..238, 111..236, 239..391, 239..412		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o2.tw	Method	TBLASTX:Wheat
Start	119	End	643
GI	none	Score	260
Exons	119..643, 123..491		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o1.tm	Method	TBLASTX:Maize
Start	686	End	1039
GI	none	Score	70
Exons	686..1039, 691..1017, 723..1037		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o1.tw	Method	TBLASTX:Wheat
Start	686	End	1112
GI	none	Score	104
Exons	686..1111, 688..1050, 701..1054, 738..1112		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o3.ts	Method	TBLASTX:Soybean
Start	860	End	1105
GI	none	Score	213
Exons	860..1105		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o2.tm	Method	TBLASTX:Maize
Start	1076	End	1576
GI	none	Score	153
Exons	1076..1411, 1397..1576		

Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o4.tw	Method	TBLASTX:Wheat
Start	1118	End	1414
GI	none	Score	176

Exons	1118..1414, 1155..1370		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o1.ts	Method	TBLASTX:Soybean
Start	1127	End	1522
GI	none	Score	134
Exons	1127..1486, 1155..1370, 1178..1486, 1410..1505, 1490..1522, 1490..1522		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o3.tw	Method	TBLASTX:Wheat
Start	1463	End	1946
GI	none	Score	166
Exons	1463..1945, 1472..1918, 1491..1946		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o4.tm	Method	TBLASTX:Maize
Start	1646	End	1934
GI	none	Score	82
Exons	1646..1918, 1646..1933, 1647..1934		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o5.tw	Method	TBLASTX:Wheat
Start	2093	End	2492
GI	none	Score	80
Exons	2093..2257, 2142..2261, 2270..2491, 2337..2492		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o6.tm	Method	TBLASTX:Maize
Start	2174	End	2512
GI	none	Score	66
Exons	2174..2512, 2385..2498		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o5.tm	Method	TBLASTX:Maize
Start	2807	End	3208
GI	none	Score	238
Exons	2807..3208		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o4.np	Method	AAT/NAP
Start	3037	End	7163
GI	4539658	Score	110

Exons	3037..3069, 5489..5678, 7113..7163		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o6.tw	Method	TBLASTX:Wheat
Start	3089	End	3466
GI	none	Score	263
Exons	3089..3466		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o2.np	Method	AAT/NAP
Start	4164	End	4881
GI	6002794	Score	1067
Exons	4164..4881		
GI Descrip.	(AF149813) unknown [Oryza sativa]		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o7.tm	Method	TBLASTX:Maize
Start	5210	End	5445
GI	none	Score	105
Exons	5210..5317, 5211..5327, 5211..5330, 5212..5343, 5315..5431, 5321..5443, 5323..5445, 5323..5445		
Seq. No.	36795	Seq. ID	OJ990818_14.9C08.C9
Gene No.	75748	Strand	-
Start	1	End	7163
Name	OJ990818_14.9C08.C9.o3.np	Method	AAT/NAP
Start	5487	End	6681
GI	4539658	Score	111
Exons	5487..5661, 6654..6681		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	36796	Seq. ID	OJ990818_14.9C08.C10
Gene No.	75749	Strand	-
Start	724	End	1872
Name	OJ990818_14.9C08.C10.o1.gs	Method	GENSCAN
Start	724	End	1872
GI	none	Score	.43
Exons	724..992, 1719..1872		
Seq. No.	36797	Seq. ID	OJ990818_14.9C08.C11
Gene No.	75750	Strand	+
Start	303	End	379
Name	OJ990818_14.9C08.C11.o1.gs	Method	GENSCAN
Start	303	End	379
GI	none	Score	.72
Exons	303..379		
Seq. No.	36797	Seq. ID	OJ990818_14.9C08.C11

Gene No.	75751	Strand	-
Start	1064	End	1156
Name	OJ990818_14.9C08.C11.o2.gs	Method	GENSCAN
Start	1064	End	1156
GI	none	Score	.72
Exons	1064..1156		

Seq. No.	36798	Seq. ID	OJ990818_14.9C08.C14
Gene No.	75752	Strand	+
Start	1725	End	6309
Name	OJ990818_14.9C08.C14.o1.gs	Method	GENSCAN
Start	1725	End	5444
GI	none	Score	.81
Exons	1725..1734, 2768..2924, 3085..3173, 4725..4876, 5117..5245, 5328..5444		

Seq. No.	36798	Seq. ID	OJ990818_14.9C08.C14
Gene No.	75752	Strand	+
Start	1725	End	6309
Name	OJ990818_14.9C08.C14.o2.gp	Method	AAT/GAP
Start	2803	End	4833
GI	uC-osroM202041g11b1	Score	927
Exons	2803..3173, 4725..4833		
GI Descrip.	'3786011 1.0e-14 (AC005499) putative elongation factor [Arabidopsis thaliana]'		

Seq. No.	36798	Seq. ID	OJ990818_14.9C08.C14
Gene No.	75752	Strand	+
Start	1725	End	6309
Name	OJ990818_14.9C08.C14.o1.np	Method	AAT/NAP
Start	2839	End	6309
GI	3786011	Score	650
Exons	2839..2924, 3082..3173, 4725..4876, 5122..5245, 5328..5444, 6216..6309		
GI Descrip.	(AC005499) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	36798	Seq. ID	OJ990818_14.9C08.C14
Gene No.	75752	Strand	+
Start	1725	End	6309
Name	OJ990818_14.9C08.C14.o1.ts	Method	TBLASTX:Soybean
Start	2868	End	6308
GI	none	Score	78
Exons	2868..2927, 2869..2922, 3082..3159, 3083..3172, 3083..3205, 4724..4876, 5146..5244, 5147..5245, 5156..5245, 5270..5452, 5328..5444, 6216..6308, 6248..6298		

Seq. No.	36798	Seq. ID	OJ990818_14.9C08.C14
Gene No.	75752	Strand	+
Start	1725	End	6309
Name	OJ990818_14.9C08.C14.o1.tm	Method	TBLASTX:Maize
Start	4768	End	6308
GI	none	Score	67
Exons	4768..4860, 4769..4873, 4829..4879, 5140..5223, 5152..5241, 5153..5245, 5156..5245, 5282..5446, 5328..5435, 5332..5436, 6214..6300, 6216..6308, 6248..6307		

Seq. No.	36799	Seq. ID	OJ990818_14.9C08.C15

Gene No.	75753	Strand	+
Start	235	End	316
Name	OJ990818_14.9C08.C15.o1.gs	Method	GENSCAN
Start	235	End	316
GI	none	Score	.45
Exons	235..316		

Seq. No.	36800	Seq. ID	OJ990818_14.9C08.C16
Gene No.	75754	Strand	+
Start	544	End	708
Name	OJ990818_14.9C08.C16.o1.gs	Method	GENSCAN
Start	544	End	708
GI	none	Score	.66
Exons	544..708		

Seq. No.	36801	Seq. ID	OJ990818_14.9C08.C17
Gene No.	75755	Strand	+
Start	1	End	192
Name	OJ990818_14.9C08.C17.o1.np	Method	AAT/NAP
Start	1	End	192
GI	4884524	Score	175
Exons	1..192		
GI Descrip.	(AB027427) class III chitinase homologue (OsChib3H-h) [Oryza sativa]		

Seq. No.	36801	Seq. ID	OJ990818_14.9C08.C17
Gene No.	75756	Strand	-
Start	16	End	463
Name	OJ990818_14.9C08.C17.o1.gs	Method	GENSCAN
Start	16	End	463
GI	none	Score	.49
Exons	16..161, 330..463		

Seq. No.	36802	Seq. ID	OJ990818_14.9C08.C19
Gene No.	75757	Strand	+
Start	1	End	1051
Name	OJ990818_14.9C08.C19.o1.np	Method	AAT/NAP
Start	1	End	1051
GI	3777527	Score	495
Exons	1..396, 556..1051		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	36802	Seq. ID	OJ990818_14.9C08.C19
Gene No.	75757	Strand	+
Start	1	End	1051
Name	OJ990818_14.9C08.C19.o1.tm	Method	TBLASTX:Maize
Start	10	End	371
GI	none	Score	81
Exons	10..66, 14..67, 84..224, 143..223, 219..371		

Seq. No.	36802	Seq. ID	OJ990818_14.9C08.C19
Gene No.	75757	Strand	+
Start	1	End	1051
Name	OJ990818_14.9C08.C19.o1.gs	Method	GENSCAN
Start	121	End	746
GI	none	Score	.58
Exons	121..746		

Seq. No.	36802	Seq. ID	OJ990818_14.9C08.C19
Gene No.	75757	Strand	+
Start	1	End	1051
Name	OJ990818_14.9C08.C19.o1.ts	Method	TBLASTX:Soybean
Start	687	End	1050
GI	5509260	Score	150
Exons	687..737, 750..887, 759..899, 776..901, 902..1012, 919..1014, 1015..1050		
GI Descrip.	-		

Seq. No.	36802	Seq. ID	OJ990818_14.9C08.C19
Gene No.	75757	Strand	+
Start	1	End	1051
Name	OJ990818_14.9C08.C19.o2.tm	Method	TBLASTX:Maize
Start	765	End	984
GI	none	Score	127
Exons	765..896, 782..895, 896..982, 899..982, 922..984		

Seq. No.	36803	Seq. ID	OJ990818_14.9C08.C21
Gene No.	75758	Strand	+
Start	1	End	218
Name	OJ990818_14.9C08.C21.o1.gp	Method	AAT/GAP
Start	1	End	218
GI	4968598	Score	367
Exons	1..218		

Seq. No.	36803	Seq. ID	OJ990818_14.9C08.C21
Gene No.	75759	Strand	+
Start	394	End	2557
Name	OJ990818_14.9C08.C21.o1.np	Method	AAT/NAP
Start	394	End	2073
GI	6539588	Score	329
Exons	394..708, 2030..2073		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36803	Seq. ID	OJ990818_14.9C08.C21
Gene No.	75759	Strand	+
Start	394	End	2557
Name	OJ990818_14.9C08.C21.o1.gs	Method	GENSCAN
Start	453	End	2537
GI	none	Score	.42
Exons	453..644, 770..834, 1041..1143, 2412..2537		

Seq. No.	36803	Seq. ID	OJ990818_14.9C08.C21
Gene No.	75759	Strand	+
Start	394	End	2557
Name	OJ990818_14.9C08.C21.o2.np	Method	AAT/NAP
Start	2385	End	2557
GI	6539588	Score	140
Exons	2385..2557		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36804	Seq. ID	OJ990818_14.9C08.C22
Gene No.	75760	Strand	+
Start	200	End	3024
Name	OJ990818_14.9C08.C22.o1.gs	Method	GENSCAN

Start	200	End	3024
GI	none	Score	.55
Exons	200..250, 366..520, 2470..2610, 2964..3024		

Seq. No.	36804	Seq. ID	OJ990818_14.9C08.C22
Gene No.	75761	Strand	-
Start	4741	End	7660
Name	OJ990818_14.9C08.C22.o2.gs	Method	GENSCAN
Start	4741	End	7660
GI	none	Score	.56
Exons	4741..4835, 4970..5115, 5374..5607, 6069..6200, 6902..7177, 7373..7518, 7535..7660		

Seq. No.	36805	Seq. ID	OJ990818_14.9C08.C24
Gene No.	75762	Strand	+
Start	696	End	721
Name	OJ990818_14.9C08.C24.o1.gs	Method	GENSCAN
Start	696	End	721
GI	none	Score	.44
Exons	696..721		

Seq. No.	36805	Seq. ID	OJ990818_14.9C08.C24
Gene No.	75763	Strand	+
Start	2642	End	2721
Name	OJ990818_14.9C08.C24.o1.gp	Method	AAT/GAP
Start	2642	End	2721
GI	38012_1.R1084	Score	100
Exons	2642..2721		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	36805	Seq. ID	OJ990818_14.9C08.C24
Gene No.	75764	Strand	-
Start	2213	End	3823
Name	OJ990818_14.9C08.C24.o2.gs	Method	GENSCAN
Start	2213	End	3823
GI	none	Score	.63
Exons	2213..2377, 3742..3823		

Seq. No.	36806	Seq. ID	OJ990818_14.9C08.C25
Gene No.	75765	Strand	-
Start	2502	End	3100
Name	OJ990818_14.9C08.C25.o1.np	Method	AAT/NAP
Start	1271	End	3100
GI	4512705	Score	204
Exons	1271..1334, 2553..3100		
GI Descrip.	(AC006569) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	36806	Seq. ID	OJ990818_14.9C08.C25
Gene No.	75765	Strand	-
Start	2502	End	3100
Name	OJ990818_14.9C08.C25.o1.gs	Method	GENSCAN
Start	2502	End	3038
GI	none	Score	.82
Exons	2502..3038		

Seq. No.	36806	Seq. ID	OJ990818_14.9C08.C25

Gene No.	75765	Strand	-
Start	2502	End	3100
Name	OJ990818_14.9C08.C25.o1.tc	Method	TBLASTX:Cress
Start	2658	End	3098
GI	none	Score	172
Exons	2658..2795, 2892..3098		

Seq. No.	36806	Seq. ID	OJ990818_14.9C08.C25
Gene No.	75765	Strand	-
Start	2502	End	3100
Name	OJ990818_14.9C08.C25.o1.tm	Method	TBLASTX:Maize
Start	2664	End	3084
GI	none	Score	62
Exons	2664..2801, 2856..3080, 2884..3084		

Seq. No.	36806	Seq. ID	OJ990818_14.9C08.C25
Gene No.	75765	Strand	-
Start	2502	End	3100
Name	OJ990818_14.9C08.C25.o1.ts	Method	TBLASTX:Soybean
Start	2664	End	3081
GI	none	Score	77
Exons	2664..2801, 2892..3080, 2983..3081		

Seq. No.	36807	Seq. ID	OJ990818_14.9C08.C26
Gene No.	75766	Strand	-
Start	52	End	1155
Name	OJ990818_14.9C08.C26.o1.gs	Method	GENSCAN
Start	52	End	1155
GI	none	Score	.75
Exons	52..1155		

Seq. No.	36808	Seq. ID	OJ990818_14.9C08.C27
Gene No.	75767	Strand	-
Start	463	End	614
Name	OJ990818_14.9C08.C27.o1.gp	Method	AAT/GAP
Start	463	End	614
GI	uC-osflcyp104c12a1	Score	207
Exons	463..614		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	36809	Seq. ID	OJ990818_14.9C08.C28
Gene No.	75768	Strand	+
Start	550	End	670
Name	OJ990818_14.9C08.C28.o1.gs	Method	GENSCAN
Start	550	End	670
GI	none	Score	.44
Exons	550..670		

Seq. No.	36810	Seq. ID	OJ990818_14.9C08.C30
Gene No.	75769	Strand	+
Start	581	End	732
Name	OJ990818_14.9C08.C30.o1.gs	Method	GENSCAN
Start	581	End	732
GI	none	Score	.45
Exons	581..732		

Seq. No.	36811	Seq. ID	OJ990818_14.9C08.C31
Gene No.	75770	Strand	-
Start	173	End	1378
Name	OJ990818_14.9C08.C31.o1.np	Method	AAT/NAP
Start	173	End	1378
GI	6907106	Score	368
Exons	173..348, 423..646, 724..1050, 1266..1378		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36811	Seq. ID	OJ990818_14.9C08.C31
Gene No.	75770	Strand	-
Start	173	End	1378
Name	OJ990818_14.9C08.C31.o1.tm	Method	TBLASTX:Maize
Start	258	End	632
GI	none	Score	43
Exons	258..317, 291..326, 356..391, 380..406, 395..433, 396..632, 411..599, 500..607		

Seq. No.	36812	Seq. ID	OJ990818_14.9C08.C32
Gene No.	75771	Strand	+
Start	81	End	762
Name	OJ990818_14.9C08.C32.o1.gs	Method	GENSCAN
Start	81	End	762
GI	none	Score	.42
Exons	81..169, 529..670, 727..762		

Seq. No.	36812	Seq. ID	OJ990818_14.9C08.C32
Gene No.	75772	Strand	+
Start	4212	End	4323
Name	OJ990818_14.9C08.C32.o2.np	Method	AAT/NAP
Start	4212	End	4323
GI	6815099	Score	82
Exons	4212..4323		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36812	Seq. ID	OJ990818_14.9C08.C32
Gene No.	75773	Strand	-
Start	2701	End	3044
Name	OJ990818_14.9C08.C32.o2.gs	Method	GENSCAN
Start	2701	End	3044
GI	none	Score	.63
Exons	2701..2818, 3005..3044		

Seq. No.	36812	Seq. ID	OJ990818_14.9C08.C32
Gene No.	75774	Strand	-
Start	3683	End	4362
Name	OJ990818_14.9C08.C32.o1.np	Method	AAT/NAP
Start	3683	End	4362
GI	5852084	Score	80
Exons	3683..3766, 4291..4362		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	36813	Seq. ID	OJ990818_14.9C08.C33
Gene No.	75775	Strand	-
Start	1	End	1161
Name	OJ990818_14.9C08.C33.o1.np	Method	AAT/NAP

Start	1	End	708
GI	5441880	Score	1086
Exons	1..708		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	36813	Seq. ID	OJ990818_14.9C08.C33
Gene No.	75775	Strand	-
Start	1	End	1161
Name	OJ990818_14.9C08.C33.o1.gs	Method	GENSCAN
Start	104	End	1161
GI	none	Score	.98
Exons	104..1161		

Seq. No.	36814	Seq. ID	OJ990818_14.9C08.C34
Gene No.	75776	Strand	-
Start	3046	End	3158
Name	OJ990818_14.9C08.C34.o2.gs	Method	GENSCAN
Start	3046	End	3158
GI	none	Score	.98
Exons	3046..3158		

Seq. No.	36815	Seq. ID	OJ990818_14.9C08.C35
Gene No.	75777	Strand	-
Start	1	End	242
Name	OJ990818_14.9C08.C35.o1.gp	Method	AAT/GAP
Start	1	End	230
GI	none	Score	444
Exons	1..230		

Seq. No.	36815	Seq. ID	OJ990818_14.9C08.C35
Gene No.	75777	Strand	-
Start	1	End	242
Name	OJ990818_14.9C08.C35.o1.tm	Method	TBLASTX:Maize
Start	10	End	242
GI	none	Score	59
Exons	10..66, 10..150, 28..111, 151..240, 172..240, 207..242		

Seq. No.	36815	Seq. ID	OJ990818_14.9C08.C35
Gene No.	75777	Strand	-
Start	1	End	242
Name	OJ990818_14.9C08.C35.o1.gs	Method	GENSCAN
Start	19	End	238
GI	none	Score	.95
Exons	19..238		

Seq. No.	36816	Seq. ID	OJ990818_14.9C08.C36
Gene No.	75778	Strand	-
Start	1	End	1864
Name	OJ990818_14.9C08.C36.o1.np	Method	AAT/NAP
Start	1	End	1434
GI	119714	Score	148
Exons	1..40, 458..672, 804..1434		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA		

1-620) [Nicotiana tabacum]

Seq. No.	36816	Seq. ID	OJ990818_14.9C08.C36
Gene No.	75778	Strand	-
Start	1	End	1864
Name	OJ990818_14.9C08.C36.o1.tm	Method	TBLASTX:Maize
Start	151	End	405
GI	none	Score	64
Exons	151..216, 169..207, 202..405, 281..364		

Seq. No.	36816	Seq. ID	OJ990818_14.9C08.C36
Gene No.	75778	Strand	-
Start	1	End	1864
Name	OJ990818_14.9C08.C36.o1.gs	Method	GENSCAN
Start	152	End	1864
GI	none	Score	.74
Exons	152..516, 1085..1235, 1275..1503, 1859..1864		

Seq. No.	36817	Seq. ID	OJ990818_14.9C08.C39
Gene No.	75779	Strand	+
Start	108	End	246
Name	OJ990818_14.9C08.C39.o1.gs	Method	GENSCAN
Start	108	End	246
GI	none	Score	.95
Exons	108..246		

Seq. No.	36818	Seq. ID	OJ990818_14.9C08.C40
Gene No.	75780	Strand	+
Start	18	End	56
Name	OJ990818_14.9C08.C40.o1.gs	Method	GENSCAN
Start	18	End	56
GI	none	Score	.97
Exons	18..56		

Seq. No.	36819	Seq. ID	OJ990818_14.9C08.C44
Gene No.	75781	Strand	+
Start	107	End	220
Name	OJ990818_14.9C08.C44.o1.gs	Method	GENSCAN
Start	107	End	220
GI	none	Score	.99
Exons	107..220		

Seq. No.	36820	Seq. ID	OJ990818_14.9C08.C45
Gene No.	75782	Strand	-
Start	1	End	147
Name	OJ990818_14.9C08.C45.o1.np	Method	AAT/NAP
Start	1	End	147
GI	5902444	Score	113
Exons	1..147		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36821	Seq. ID	OJ990818_14.9C08.C46
Gene No.	75783	Strand	+
Start	1	End	688
Name	OJ990818_14.9C08.C46.o1.np	Method	AAT/NAP
Start	1	End	688
GI	6065740	Score	287

Exons	1..63, 147..236, 333..445, 574..688		
GI Descrip.	(AJ012758) nucleotide diphosphate kinase Ia [Arabidopsis thaliana]		

Seq. No.	36821	Seq. ID	OJ990818_14.9C08.C46
Gene No.	75783	Strand	+
Start	1	End	688
Name	OJ990818_14.9C08.C46.o1.tc	Method	TBLASTX:Cress
Start	144	End	634
GI	none	Score	140
Exons	144..245, 155..241, 293..451, 552..605, 568..612, 598..624,	315..464, 330..464, 536..604, 599..634	

Seq. No.	36821	Seq. ID	OJ990818_14.9C08.C46
Gene No.	75783	Strand	+
Start	1	End	688
Name	OJ990818_14.9C08.C46.o1.tm	Method	TBLASTX:Maize
Start	149	End	629
GI	none	Score	147
Exons	149..235, 150..242, 153..236, 327..446, 336..446, 391..447, 572..622	154..237, 155..250, 326..445, 432..485, 561..629, 562..621,	

Seq. No.	36821	Seq. ID	OJ990818_14.9C08.C46
Gene No.	75783	Strand	+
Start	1	End	688
Name	OJ990818_14.9C08.C46.o1.tw	Method	TBLASTX:Wheat
Start	149	End	622
GI	none	Score	110
Exons	149..241, 150..242, 329..445,	336..446, 554..622	

Seq. No.	36821	Seq. ID	OJ990818_14.9C08.C46
Gene No.	75783	Strand	+
Start	1	End	688
Name	OJ990818_14.9C08.C46.o1.gp	Method	AAT/GAP
Start	150	End	382
GI	702913	Score	211
Exons	150..236, 333..382		
GI Descrip.	3063661/gb|AAC14280.1| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]		

Seq. No.	36821	Seq. ID	OJ990818_14.9C08.C46
Gene No.	75783	Strand	+
Start	1	End	688
Name	OJ990818_14.9C08.C46.o1.ts	Method	TBLASTX:Soybean
Start	150	End	634
GI	none	Score	122
Exons	150..236, 155..238, 327..446,	329..445, 561..620, 572..634	

Seq. No.	36821	Seq. ID	OJ990818_14.9C08.C46
Gene No.	75783	Strand	+
Start	1	End	688
Name	OJ990818_14.9C08.C46.o1.gs	Method	GENSCAN
Start	156	End	623
GI	none	Score	71
Exons	156..236, 333..445, 574..623		

Seq. No.	36821	Seq. ID	OJ990818_14.9C08.C46
Gene No.	75783	Strand	+
Start	1	End	688
Name	OJ990818_14.9C08.C46.o2.gp	Method	AAT/GAP
Start	354	End	627
GI	LIB3479-007-Q6-K1-B4	Score	237
Exons	354..445, 574..627		
GI Descrip.	'3063661/gb|AAC14280.1| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]'		

Seq. No.	36822	Seq. ID	OJ990818_14.9C08.C51
Gene No.	75784	Strand	-
Start	1	End	186
Name	OJ990818_14.9C08.C51.o1.gp	Method	AAT/GAP
Start	1	End	186
GI	none	Score	352
Exons	1..186		

Seq. No.	36822	Seq. ID	OJ990818_14.9C08.C51
Gene No.	75785	Strand	-
Start	1098	End	1813
Name	OJ990818_14.9C08.C51.o2.gs	Method	GENSCAN
Start	1098	End	1813
GI	none	Score	.78
Exons	1098..1813		

Seq. No.	36823	Seq. ID	OJ990818_14.9C08.C52
Gene No.	75786	Strand	+
Start	470	End	947
Name	OJ990818_14.9C08.C52.o1.np	Method	AAT/NAP
Start	470	End	947
GI	6523547	Score	127
Exons	470..947		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	36824	Seq. ID	OJ990818_14.9C08.C53
Gene No.	75787	Strand	+
Start	1	End	1583
Name	OJ990818_14.9C08.C53.o1.np	Method	AAT/NAP
Start	1	End	1583
GI	1041708	Score	226
Exons	1..22, 1280..1583		
GI Descrip.	(U30481) expansin At-EXP2 [Arabidopsis thaliana]		

Seq. No.	36824	Seq. ID	OJ990818_14.9C08.C53
Gene No.	75788	Strand	-
Start	1238	End	1498
Name	OJ990818_14.9C08.C53.o1.gs	Method	GENSCAN
Start	1238	End	1498
GI	none	Score	.96
Exons	1238..1447, 1472..1498		

Seq. No.	36824	Seq. ID	OJ990818_14.9C08.C53
Gene No.	75789	Strand	-
Start	1514	End	1800
Name	OJ990818_14.9C08.C53.o1.tc	Method	TBLASTX:Cress

Start	1277	End	1571
GI	none	Score	257
Exons	1277..1330, 1278..1571		

Seq. No.	36824	Seq. ID	OJ990818_14.9C08.C53
Gene No.	75789	Strand	-
Start	1514	End	1800
Name	OJ990818_14.9C08.C53.o1.tm	Method	TBLASTX:Maize
Start	1277	End	1609
GI	none	Score	388
Exons	1277..1582, 1278..1583, 1562..1609		

Seq. No.	36824	Seq. ID	OJ990818_14.9C08.C53
Gene No.	75789	Strand	-
Start	1514	End	1800
Name	OJ990818_14.9C08.C53.o1.ts	Method	TBLASTX:Soybean
Start	1278	End	1571
GI	none	Score	129
Exons	1278..1406, 1415..1570, 1416..1571		

Seq. No.	36824	Seq. ID	OJ990818_14.9C08.C53
Gene No.	75789	Strand	-
Start	1514	End	1800
Name	OJ990818_14.9C08.C53.o1.gp	Method	AAT/GAP
Start	1514	End	1800
GI	none	Score	562
Exons	1514..1800		

Seq. No.	36825	Seq. ID	OJ990818_14.9C08.C54
Gene No.	75790	Strand	-
Start	1	End	241
Name	OJ990818_14.9C08.C54.o1.gp	Method	AAT/GAP
Start	1	End	241
GI	LIB3475-006-P1-K1-G7	Score	385
Exons	1..241		
GI Descrip.	'3063661/gb|AAC14280.1| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]'		

Seq. No.	36826	Seq. ID	OJ990818_14.9C08.C55
Gene No.	75791	Strand	+
Start	1	End	612
Name	OJ990818_14.9C08.C55.o1.np	Method	AAT/NAP
Start	1	End	612
GI	5902445	Score	583
Exons	1..612		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36826	Seq. ID	OJ990818_14.9C08.C55
Gene No.	75792	Strand	-
Start	361	End	550
Name	OJ990818_14.9C08.C55.o1.tm	Method	TBLASTX:Maize
Start	1	End	245
GI	none	Score	166
Exons	1..138, 3..131, 150..245		

Seq. No.	36826	Seq. ID	OJ990818_14.9C08.C55
Gene No.	75792	Strand	-

Start	361	End	550
Name	OJ990818_14.9C08.C55.o1.tw	Method	TBLASTX:Wheat
Start	1	End	414
GI	none	Score	111
Exons	1..138, 114..245, 143..208, 189..254, 255..410, 256..414		

Seq. No.	36826	Seq. ID	OJ990818_14.9C08.C55
Gene No.	75792	Strand	-
Start	361	End	550
Name	OJ990818_14.9C08.C55.o1.gs	Method	GENSCAN
Start	361	End	550
GI	none	Score	.8
Exons	361..550		

Seq. No.	36827	Seq. ID	OJ990818_14.9C08.C56
Gene No.	75793	Strand	+
Start	982	End	1494
Name	OJ990818_14.9C08.C56.o1.gs	Method	GENSCAN
Start	982	End	1494
GI	none	Score	.75
Exons	982..1035, 1322..1494		

Seq. No.	36828	Seq. ID	OJ990818_14.9C08.C57
Gene No.	75794	Strand	-
Start	1	End	499
Name	OJ990818_14.9C08.C57.o1.np	Method	AAT/NAP
Start	1	End	499
GI	5902444	Score	284
Exons	1..499		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36828	Seq. ID	OJ990818_14.9C08.C57
Gene No.	75794	Strand	-
Start	1	End	499
Name	OJ990818_14.9C08.C57.o1.gs	Method	GENSCAN
Start	72	End	383
GI	none	Score	.92
Exons	72..383		

Seq. No.	36829	Seq. ID	OJ990818_14.9C08.C62
Gene No.	75795	Strand	-
Start	1	End	708
Name	OJ990818_14.9C08.C62.o1.np	Method	AAT/NAP
Start	1	End	708
GI	6630696	Score	1210
Exons	1..708		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	36829	Seq. ID	OJ990818_14.9C08.C62
Gene No.	75795	Strand	-
Start	1	End	708
Name	OJ990818_14.9C08.C62.o1.gs	Method	GENSCAN
Start	56	End	631
GI	none	Score	.95
Exons	56..631		

Seq. No.	36829	Seq. ID	OJ990818_14.9C08.C62
Gene No.	75795	Strand	-
Start	1	End	708
Name	OJ990818_14.9C08.C62.o1.tm	Method	TBLASTX:Maize
Start	272	End	616
GI	none	Score	365
Exons	272..313, 342..614, 342..614, 343..615, 344..616		

Seq. No.	36830	Seq. ID	OJ990818_14.9C08.C63
Gene No.	75796	Strand	+
Start	1	End	544
Name	OJ990818_14.9C08.C63.o1.np	Method	AAT/NAP
Start	1	End	306
GI	6721561	Score	334
Exons	1..306		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36830	Seq. ID	OJ990818_14.9C08.C63
Gene No.	75796	Strand	+
Start	1	End	544
Name	OJ990818_14.9C08.C63.o1.gs	Method	GENSCAN
Start	90	End	544
GI	none	Score	.78
Exons	90..178, 427..544		

Seq. No.	36831	Seq. ID	OJ990818_14.9C08.C66
Gene No.	75797	Strand	+
Start	79	End	171
Name	OJ990818_14.9C08.C66.o1.gs	Method	GENSCAN
Start	79	End	171
GI	none	Score	.7
Exons	79..171		

Seq. No.	36832	Seq. ID	OJ990818_14.9C08.C70
Gene No.	75798	Strand	+
Start	565	End	644
Name	OJ990818_14.9C08.C70.o1.gs	Method	GENSCAN
Start	565	End	644
GI	none	Score	.75
Exons	565..644		

Seq. No.	36833	Seq. ID	OJ990818_14.9C08.C71
Gene No.	75799	Strand	+
Start	508	End	1242
Name	OJ990818_14.9C08.C71.o1.gs	Method	GENSCAN
Start	508	End	1242
GI	none	Score	.44
Exons	508..1242		

Seq. No.	36833	Seq. ID	OJ990818_14.9C08.C71
Gene No.	75800	Strand	-
Start	79	End	240

Name	OJ990818_14.9C08.C71.o1.np	Method	AAT/NAP
Start	79	End	240
GI	5852172	Score	75
Exons	79..240		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	36834	Seq. ID	OJ990818_14.9C08.C73
Gene No.	75801	Strand	+
Start	1	End	434
Name	OJ990818_14.9C08.C73.o1.np	Method	AAT/NAP
Start	1	End	237
GI	6630696	Score	393
Exons	1..237		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	36834	Seq. ID	OJ990818_14.9C08.C73
Gene No.	75801	Strand	+
Start	1	End	434
Name	OJ990818_14.9C08.C73.o1.gs	Method	GENSCAN
Start	61	End	190
GI	none	Score	.46
Exons	61..190		

Seq. No.	36834	Seq. ID	OJ990818_14.9C08.C73
Gene No.	75801	Strand	+
Start	1	End	434
Name	OJ990818_14.9C08.C73.o1.tm	Method	TBLASTX:Maize
Start	111	End	434
GI	none	Score	91
Exons	111..200, 111..200, 112..201, 113..202, 240..383, 250..336, 251..343, 312..434		

Seq. No.	36835	Seq. ID	OJ990818_14.9C08.C74
Gene No.	75802	Strand	+
Start	102	End	659
Name	OJ990818_14.9C08.C74.o1.gs	Method	GENSCAN
Start	102	End	659
GI	none	Score	.6
Exons	102..194, 291..360, 606..659		

Seq. No.	36836	Seq. ID	OJ990908_15.9C14.C2
Gene No.	75803	Strand	-
Start	1	End	1514
Name	OJ990908_15.9C14.C2.o1.np	Method	AAT/NAP
Start	1	End	1514
GI	6815109	Score	181
Exons	1..357, 1269..1514		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75804	Strand	+
Start	873	End	1678
Name	OJ990908_15.9C14.C3.o1.gs	Method	GENSCAN
Start	873	End	1678
GI	none	Score	.69

Exons 873..967, 1593..1678

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75805	Strand	+
Start	6483	End	15816
Name	OJ990908_15.9C14.C3.o1.gp	Method	AAT/GAP
Start	6417	End	6750
GI	5004057	Score	623
Exons	6417..6750		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75805	Strand	+
Start	6483	End	15816
Name	OJ990908_15.9C14.C3.o4.gs	Method	GENSCAN
Start	6483	End	12749
GI	none	Score	.72
Exons	6483..6979, 9482..9706, 9812..9861, 11026..11117, 11212..11292, 11397..11494, 11634..11715, 12546..12749		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75805	Strand	+
Start	6483	End	15816
Name	OJ990908_15.9C14.C3.o2.gp	Method	AAT/GAP
Start	6920	End	7334
GI	48271_1.R1084	Score	795
Exons	6920..7334		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75805	Strand	+
Start	6483	End	15816
Name	OJ990908_15.9C14.C3.o3.gp	Method	AAT/GAP
Start	9737	End	10069
GI	uC-osflcyp014b03b1	Score	343
Exons	9737..9861, 9996..10069		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75805	Strand	+
Start	6483	End	15816
Name	OJ990908_15.9C14.C3.o4.gp	Method	AAT/GAP
Start	9820	End	10069
GI	uC-osflcyp014b03b1	Score	181
Exons	9820..9861, 9996..10069		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75805	Strand	+
Start	6483	End	15816
Name	OJ990908_15.9C14.C3.o1.np	Method	AAT/NAP
Start	11962	End	15816
GI	5091513	Score	1112
Exons	11962..12016, 14841..15816		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75805	Strand	+
Start	6483	End	15816
Name	OJ990908_15.9C14.C3.o6.gs	Method	GENSCAN
Start	14990	End	15684
GI	none	Score	.95
Exons	14990..15145, 15325..15684		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75806	Strand	-
Start	2720	End	3857
Name	OJ990908_15.9C14.C3.o2.gs	Method	GENSCAN
Start	2720	End	3857
GI	none	Score	.93
Exons	2720..2821, 3376..3483, 3536..3695, 3763..3857		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75807	Strand	-
Start	4232	End	4492
Name	OJ990908_15.9C14.C3.o3.gs	Method	GENSCAN
Start	4232	End	4492
GI	none	Score	.91
Exons	4232..4492		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75808	Strand	-
Start	13113	End	14719
Name	OJ990908_15.9C14.C3.o1.tm	Method	TBLASTX:Maize
Start	11011	End	11721
GI	none	Score	50
Exons	11011..11109, 11012..11113, 11022..11126, 11088..11126, 11199..11291, 11200..11292, 11213..11293, 11238..11300, 11394..11492, 11395..11478, 11396..11575, 11396..11548, 11631..11717, 11635..11721		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75808	Strand	-
Start	13113	End	14719
Name	OJ990908_15.9C14.C3.o5.gs	Method	GENSCAN
Start	13113	End	14719
GI	none	Score	.6
Exons	13113..13124, 13489..13973, 14497..14719		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75808	Strand	-
Start	13113	End	14719
Name	OJ990908_15.9C14.C3.o1.ts	Method	TBLASTX:Soybean
Start	13516	End	13831
GI	none	Score	100
Exons	13516..13608, 13672..13812, 13673..13831		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75808	Strand	-
Start	13113	End	14719
Name	OJ990908_15.9C14.C3.o2.tm	Method	TBLASTX:Maize
Start	13516	End	13831

GI	none	Score	117
Exons	13516..13605, 13672..13812, 13673..13831		

Seq. No.	36837	Seq. ID	OJ990908_15.9C14.C3
Gene No.	75808	Strand	-
Start	13113	End	14719
Name	OJ990908_15.9C14.C3.o5.gp	Method	AAT/GAP
Start	14089	End	14197
GI	5816518	Score	151
Exons	14089..14197		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	36838	Seq. ID	OJ990908_15.9C14.C4
Gene No.	75809	Strand	+
Start	149	End	1861
Name	OJ990908_15.9C14.C4.o1.gs	Method	GENSCAN
Start	149	End	1861
GI	none	Score	.74
Exons	149..720, 978..1340, 1465..1620, 1647..1861		

Seq. No.	36838	Seq. ID	OJ990908_15.9C14.C4
Gene No.	75810	Strand	-
Start	59	End	874
Name	OJ990908_15.9C14.C4.o1.np	Method	AAT/NAP
Start	59	End	874
GI	5091512	Score	989
Exons	59..470, 517..654, 696..874		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	36839	Seq. ID	OJ990908_15.9C14.C5
Gene No.	75811	Strand	+
Start	131	End	630
Name	OJ990908_15.9C14.C5.o1.gs	Method	GENSCAN
Start	131	End	630
GI	none	Score	.54
Exons	131..307, 490..630		

Seq. No.	36840	Seq. ID	OJ990908_15.9C14.C7
Gene No.	75812	Strand	-
Start	186	End	778
Name	OJ990908_15.9C14.C7.o1.tm	Method	TBLASTX:Maize
Start	183	End	686
GI	none	Score	54
Exons	183..215, 184..228, 187..228, 218..313, 232..315, 233..313, 255..314, 575..685, 576..686, 577..669		

Seq. No.	36840	Seq. ID	OJ990908_15.9C14.C7
Gene No.	75812	Strand	-
Start	186	End	778
Name	OJ990908_15.9C14.C7.o1.gs	Method	GENSCAN
Start	186	End	698
GI	none	Score	.59
Exons	186..312, 575..698		

Seq. No.	36840	Seq. ID	OJ990908_15.9C14.C7

Gene No.	75812	Strand	-
Start	186	End	778
Name	OJ990908_15.9C14.C7.o1.np	Method	AAT/NAP
Start	568	End	778
GI	4559347	Score	98
Exons	568..778		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36841	Seq. ID	OJ990908_15.9C14.C8
Gene No.	75813	Strand	+
Start	994	End	5019
Name	OJ990908_15.9C14.C8.o2.np	Method	AAT/NAP
Start	994	End	5019
GI	4559347	Score	42
Exons	994..1162, 2884..2946, 3337..3427, 3527..3803, 4943..5019		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36841	Seq. ID	OJ990908_15.9C14.C8
Gene No.	75814	Strand	-
Start	1	End	3550
Name	OJ990908_15.9C14.C8.o1.np	Method	AAT/NAP
Start	1	End	2790
GI	4559347	Score	941
Exons	1..671, 1006..1107, 1438..1726, 1825..2030, 2101..2790		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36841	Seq. ID	OJ990908_15.9C14.C8
Gene No.	75814	Strand	-
Start	1	End	3550
Name	OJ990908_15.9C14.C8.o2.tm	Method	TBLASTX:Maize
Start	273	End	460
GI	none	Score	93
Exons	273..440, 286..459, 287..460		

Seq. No.	36841	Seq. ID	OJ990908_15.9C14.C8
Gene No.	75814	Strand	-
Start	1	End	3550
Name	OJ990908_15.9C14.C8.o1.gs	Method	GENSCAN
Start	779	End	3550
GI	none	Score	.7
Exons	779..1726, 1825..2043, 2117..2733, 3478..3550		

Seq. No.	36841	Seq. ID	OJ990908_15.9C14.C8
Gene No.	75814	Strand	-
Start	1	End	3550
Name	OJ990908_15.9C14.C8.o1.tm	Method	TBLASTX:Maize
Start	1251	End	1613
GI	none	Score	186
Exons	1251..1487, 1253..1534, 1253..1534, 1535..1612, 1545..1613, 1546..1599, 1550..1612		

Seq. No.	36842	Seq. ID	OJ990908_15.9C14.C9
Gene No.	75815	Strand	+
Start	239	End	4043
Name	OJ990908_15.9C14.C9.o2.np	Method	AAT/NAP
Start	239	End	4037
GI	5091513	Score	1308

Exons 239..275, 2878..4037
GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	36842	Seq. ID	OJ990908_15.9C14.C9
Gene No.	75815	Strand	+
Start	239	End	4043
Name	OJ990908_15.9C14.C9.o1.gs	Method	GENSCAN
Start	481	End	4043
GI	none	Score	.45
Exons	481..743, 1269..1385, 1775..1975, 2490..2550, 2634..2994, 3076..4043		

Seq. No.	36842	Seq. ID	OJ990908_15.9C14.C9
Gene No.	75816	Strand	-
Start	2081	End	2410
Name	OJ990908_15.9C14.C9.o1.tm	Method	TBLASTX:Maize
Start	1887	End	2077
GI	none	Score	192
Exons	1887..2060, 1904..2077		

Seq. No.	36842	Seq. ID	OJ990908_15.9C14.C9
Gene No.	75816	Strand	-
Start	2081	End	2410
Name	OJ990908_15.9C14.C9.o2.gp	Method	AAT/GAP
Start	2081	End	2410
GI	72524_1.R1084	Score	409
Exons	2081..2410		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	36842	Seq. ID	OJ990908_15.9C14.C9
Gene No.	75816	Strand	-
Start	2081	End	2410
Name	OJ990908_15.9C14.C9.o1.gp	Method	AAT/GAP
Start	2088	End	2201
GI	5816518	Score	145
Exons	2088..2201		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	36843	Seq. ID	OJ990908_15.9C14.C10
Gene No.	75817	Strand	+
Start	68	End	697
Name	OJ990908_15.9C14.C10.o1.gs	Method	GENSCAN
Start	68	End	697
GI	none	Score	.81
Exons	68..134, 465..697		

Seq. No.	36843	Seq. ID	OJ990908_15.9C14.C10
Gene No.	75817	Strand	+
Start	68	End	697
Name	OJ990908_15.9C14.C10.o1.gp	Method	AAT/GAP
Start	71	End	689
GI	4714351	Score	522
Exons	71..134, 465..689		

Seq. No.	36843	Seq. ID	OJ990908_15.9C14.C10

Gene No.	75818	Strand	-
Start	1	End	2114
Name	OJ990908_15.9C14.C10.o1.np	Method	AAT/NAP
Start	1	End	2114
GI	6907089	Score	323
Exons	1..33, 1712..2114		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36844	Seq. ID	OJ990908_15.9C14.C11
Gene No.	75819	Strand	+
Start	1663	End	1992
Name	OJ990908_15.9C14.C11.o1.gp	Method	AAT/GAP
Start	1663	End	1992
GI	5667644	Score	660
Exons	1663..1992		

Seq. No.	36844	Seq. ID	OJ990908_15.9C14.C11
Gene No.	75820	Strand	-
Start	1222	End	1943
Name	OJ990908_15.9C14.C11.o1.gs	Method	GENSCAN
Start	1222	End	1943
GI	none	Score	62
Exons	1222..1271, 1403..1662, 1669..1943		

Seq. No.	36845	Seq. ID	OJ990908_15.9C14.C13
Gene No.	75821	Strand	-
Start	1064	End	3532
Name	OJ990908_15.9C14.C13.o1.tm	Method	TBLASTX:Maize
Start	979	End	1238
GI	none	Score	203
Exons	979..1029, 1028..1237, 1064..1237, 1101..1238		

Seq. No.	36845	Seq. ID	OJ990908_15.9C14.C13
Gene No.	75821	Strand	-
Start	1064	End	3532
Name	OJ990908_15.9C14.C13.o1.gs	Method	GENSCAN
Start	1064	End	3532
GI	none	Score	55
Exons	1064..1855, 1957..2268, 2688..2826, 3432..3532		

Seq. No.	36845	Seq. ID	OJ990908_15.9C14.C13
Gene No.	75821	Strand	-
Start	1064	End	3532
Name	OJ990908_15.9C14.C13.o1.ts	Method	TBLASTX:Soybean
Start	1076	End	1220
GI	none	Score	92
Exons	1076..1219, 1082..1210, 1113..1220		

Seq. No.	36845	Seq. ID	OJ990908_15.9C14.C13
Gene No.	75821	Strand	-
Start	1064	End	3532
Name	OJ990908_15.9C14.C13.o1.tc	Method	TBLASTX:Cress
Start	1245	End	1492
GI	none	Score	121
Exons	1245..1487, 1247..1492		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14

Gene No.	75822	Strand	+
Start	5886	End	8351
Name	OJ990908_15.9C14.C14.o2.gp	Method	AAT/GAP
Start	5886	End	6230
GI	4714889	Score	642
Exons	5886..6230		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75822	Strand	+
Start	5886	End	8351
Name	OJ990908_15.9C14.C14.o2.np	Method	AAT/NAP
Start	6036	End	8351
GI	6721557	Score	396
Exons	6036..6077, 7798..8351		
GI Descrip.	(AP001073) ESTs C71763(E0309),AU082059(E0309) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC T20B5 genomic sequence; hypothetical protein. (AC002409) [Oryza sativa] gi|6815082|dbj|BAA90368.1| (AP001081) ESTs C71763(E0309),AU082059(E0309) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana chrom		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75823	Strand	+
Start	18619	End	19928
Name	OJ990908_15.9C14.C14.o4.gs	Method	GENSCAN
Start	18619	End	19591
GI	none	Score	.75
Exons	18619..18679, 19356..19591		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75823	Strand	+
Start	18619	End	19928
Name	OJ990908_15.9C14.C14.o3.np	Method	AAT/NAP
Start	19457	End	19928
GI	6664305	Score	104
Exons	19457..19573, 19659..19928		
GI Descrip.	(AC006932) T27G7.7 [Arabidopsis thaliana]		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75824	Strand	-
Start	1	End	2757
Name	OJ990908_15.9C14.C14.o1.gp	Method	AAT/GAP
Start	1	End	2757
GI	none	Score	990
Exons	1..83, 1560..1667, 2256..2357, 2481..2757		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75824	Strand	-
Start	1	End	2757
Name	OJ990908_15.9C14.C14.o1.gs	Method	GENSCAN
Start	29	End	2620
GI	none	Score	.53
Exons	29..83, 1560..1667, 2274..2357, 2481..2620		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75825	Strand	-
Start	3032	End	3114

Name	OJ990908_15.9C14.C14.o1.np	Method	AAT/NAP
Start	3032	End	3114
GI	4678270	Score	99
Exons	3032..3114		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75826	Strand	-
Start	11727	End	18080
Name	OJ990908_15.9C14.C14.o1.ts	Method	TBLASTX:Soybean
Start	2251	End	2591
GI	none	Score	83
Exons	2251..2340, 2255..2353, 2255..2353, 2472..2591, 2474..2587		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75826	Strand	-
Start	11727	End	18080
Name	OJ990908_15.9C14.C14.o1.tm	Method	TBLASTX:Maize
Start	3060	End	3249
GI	none	Score	254
Exons	3060..3242, 3060..3194, 3061..3249		

Seq. No.	36846	Seq. ID	OJ990908_15.9C14.C14
Gene No.	75826	Strand	-
Start	11727	End	18080
Name	OJ990908_15.9C14.C14.o3.gs	Method	GENSCAN
Start	11727	End	18080
GI	none	Score	.41
Exons	11727..11742, 11889..12024, 12062..12261, 12419..12641, 15225..15332, 15561..15592, 17459..17594, 17650..17956, 18072..18080		

Seq. No.	36847	Seq. ID	OJ990908_15.9C14.C15
Gene No.	75827	Strand	+
Start	1	End	6232
Name	OJ990908_15.9C14.C15.o1.gp	Method	AAT/GAP
Start	1	End	123
GI	569950	Score	208
Exons	1..123		

Seq. No.	36847	Seq. ID	OJ990908_15.9C14.C15
Gene No.	75827	Strand	+
Start	1	End	6232
Name	OJ990908_15.9C14.C15.o1.np	Method	AAT/NAP
Start	1	End	6232
GI	3451463	Score	171
Exons	1..29, 806..856, 1760..1977, 2412..2552, 2881..3099, 6207..6232		
GI Descrip.	(AL031349) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	36847	Seq. ID	OJ990908_15.9C14.C15
Gene No.	75827	Strand	+
Start	1	End	6232
Name	OJ990908_15.9C14.C15.o1.gs	Method	GENSCAN
Start	77	End	6184
GI	none	Score	.4
Exons	77..162, 686..856, 1224..1260, 1760..1977, 2180..2231, 2691..2921, 2941..3100, 3322..3374, 3558..3664, 4525..4721,		

5007..5140, 5257..5424, 5746..6184

Seq. No.	36847	Seq. ID	OJ990908_15.9C14.C15
Gene No.	75827	Strand	+
Start	1	End	6232
Name	OJ990908_15.9C14.C15.o1.tm	Method	TBLASTX:Maize
Start	695	End	2780
GI	none	Score	56
Exons	695..760, 720..752, 795..821, 818..859, 820..858, 1733..1990, 1760..1996, 1906..1998, 2400..2465, 2410..2469, 2465..2539, 2471..2539, 2690..2773, 2691..2780, 2691..2780		

Seq. No.	36847	Seq. ID	OJ990908_15.9C14.C15
Gene No.	75827	Strand	+
Start	1	End	6232
Name	OJ990908_15.9C14.C15.o1.ts	Method	TBLASTX:Soybean
Start	1760	End	2539
GI	none	Score	320
Exons	1760..1996, 1762..1821, 1766..1996, 1882..2004, 1906..1998, 2400..2462, 2410..2469, 2465..2539, 2467..2538		

Seq. No.	36848	Seq. ID	OJ990908_15.9C14.C16
Gene No.	75828	Strand	-
Start	583	End	1445
Name	OJ990908_15.9C14.C16.o1.gs	Method	GENSCAN
Start	583	End	1445
GI	none	Score	.7
Exons	583..748, 1300..1445		

Seq. No.	36849	Seq. ID	OJ990908_15.9C14.C17
Gene No.	75829	Strand	+
Start	325	End	698
Name	OJ990908_15.9C14.C17.o1.gs	Method	GENSCAN
Start	325	End	698
GI	none	Score	.7
Exons	325..450, 507..698		

Seq. No.	36850	Seq. ID	OJ990908_15.9C14.C18
Gene No.	75830	Strand	+
Start	326	End	1230
Name	OJ990908_15.9C14.C18.o1.gs	Method	GENSCAN
Start	326	End	1230
GI	none	Score	.45
Exons	326..425, 1088..1230		

Seq. No.	36851	Seq. ID	OJ990908_15.9C14.C19
Gene No.	75831	Strand	+
Start	957	End	2055
Name	OJ990908_15.9C14.C19.o1.gs	Method	GENSCAN
Start	957	End	2055
GI	none	Score	.96
Exons	957..1023, 1257..1322, 1438..2055		

Seq. No.	36851	Seq. ID	OJ990908_15.9C14.C19
Gene No.	75832	Strand	+
Start	4601	End	7177
Name	OJ990908_15.9C14.C19.o1.np	Method	AAT/NAP

Start	4601	End	7177
GI	5911167	Score	1495
Exons	4601..4638, 5989..7177		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	36851	Seq. ID	OJ990908_15.9C14.C19
Gene No.	75832	Strand	+
Start	4601	End	7177
Name	OJ990908_15.9C14.C19.o1.ts	Method	TBLASTX:Soybean
Start	6034	End	6327
GI	none	Score	204
Exons	6034..6327		

Seq. No.	36851	Seq. ID	OJ990908_15.9C14.C19
Gene No.	75832	Strand	+
Start	4601	End	7177
Name	OJ990908_15.9C14.C19.o2.tw	Method	TBLASTX:Wheat
Start	6052	End	6488
GI	none	Score	146
Exons	6052..6327, 6369..6488		

Seq. No.	36851	Seq. ID	OJ990908_15.9C14.C19
Gene No.	75832	Strand	+
Start	4601	End	7177
Name	OJ990908_15.9C14.C19.o1.tc	Method	TBLASTX:Cress
Start	6368	End	6725
GI	none	Score	128
Exons	6368..6529, 6375..6560, 6561..6692, 6567..6725		

Seq. No.	36851	Seq. ID	OJ990908_15.9C14.C19
Gene No.	75832	Strand	+
Start	4601	End	7177
Name	OJ990908_15.9C14.C19.o1.tw	Method	TBLASTX:Wheat
Start	6507	End	6971
GI	none	Score	128
Exons	6507..6671, 6518..6670, 6537..6686, 6678..6773, 6680..6772, 6750..6812, 6776..6811, 6819..6971		

Seq. No.	36851	Seq. ID	OJ990908_15.9C14.C19
Gene No.	75832	Strand	+
Start	4601	End	7177
Name	OJ990908_15.9C14.C19.o1.tm	Method	TBLASTX:Maize
Start	6570	End	7011
GI	none	Score	279
Exons	6570..6815, 6578..6811, 6818..7003, 6819..7004, 6819..7004, 6823..7011		

Seq. No.	36852	Seq. ID	OJ990908_15.9C14.C20
Gene No.	75833	Strand	+
Start	1	End	1503
Name	OJ990908_15.9C14.C20.o1.np	Method	AAT/NAP
Start	1	End	664
GI	5911167	Score	811
Exons	1..664		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	36852	Seq. ID	OJ990908_15.9C14.C20

Gene No.	75833	Strand	+
Start	1	End	1503
Name	OJ990908_15.9C14.C20.o1.tm	Method	TBLASTX:Maize
Start	89	End	574
GI	none	Score	433
Exons	89..574, 154..573		

Seq. No.	36852	Seq. ID	OJ990908_15.9C14.C20
Gene No.	75833	Strand	+
Start	1	End	1503
Name	OJ990908_15.9C14.C20.o1.ts	Method	TBLASTX:Soybean
Start	122	End	526
GI	none	Score	106
Exons	122..277, 314..526, 394..525		

Seq. No.	36852	Seq. ID	OJ990908_15.9C14.C20
Gene No.	75833	Strand	+
Start	1	End	1503
Name	OJ990908_15.9C14.C20.o1.tw	Method	TBLASTX:Wheat
Start	215	End	1503
GI	none	Score	309
Exons	215..640, 401..586, 406..615, 1102..1254, 1125..1253, 1279..1365, 1408..1503		

Seq. No.	36853	Seq. ID	OJ990908_15.9C14.C21
Gene No.	75834	Strand	+
Start	1668	End	1964
Name	OJ990908_15.9C14.C21.o1.gs	Method	GENSCAN
Start	1668	End	1964
GI	none	Score	.85
Exons	1668..1964		

Seq. No.	36854	Seq. ID	OJ990908_15.9C14.C22
Gene No.	75835	Strand	+
Start	373	End	3127
Name	OJ990908_15.9C14.C22.o1.gs	Method	GENSCAN
Start	373	End	3127
GI	none	Score	.56
Exons	373..549, 709..894, 1100..1678, 1713..2011, 2175..2370, 2724..2895, 2913..3127		

Seq. No.	36855	Seq. ID	OJ990908_15.9C14.C27
Gene No.	75836	Strand	+
Start	164	End	638
Name	OJ990908_15.9C14.C27.o1.gs	Method	GENSCAN
Start	164	End	569
GI	none	Score	.68
Exons	164..569		

Seq. No.	36855	Seq. ID	OJ990908_15.9C14.C27
Gene No.	75836	Strand	+
Start	164	End	638
Name	OJ990908_15.9C14.C27.o1.np	Method	AAT/NAP
Start	189	End	638
GI	5091513	Score	631
Exons	189..638		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	36856	Seq. ID	OJ990818_16.9C10.C1
Gene No.	75837	Strand	-
Start	431	End	436
Name	OJ990818_16.9C10.C1.o1.gs	Method	GENSCAN
Start	431	End	436
GI	none	Score	.62
Exons	431..436		

Seq. No.	36857	Seq. ID	OJ990818_16.9C10.C5
Gene No.	75838	Strand	-
Start	483	End	941
Name	OJ990818_16.9C10.C5.o1.gs	Method	GENSCAN
Start	483	End	941
GI	none	Score	.9
Exons	483..614, 819..941		

Seq. No.	36858	Seq. ID	OJ990818_16.9C10.C7
Gene No.	75839	Strand	-
Start	127	End	811
Name	OJ990818_16.9C10.C7.o1.gs	Method	GENSCAN
Start	127	End	811
GI	none	Score	.54
Exons	127..223, 734..811		

Seq. No.	36859	Seq. ID	OJ990818_16.9C10.C9
Gene No.	75840	Strand	-
Start	99	End	208
Name	OJ990818_16.9C10.C9.o1.gs	Method	GENSCAN
Start	99	End	208
GI	none	Score	.92
Exons	99..208		

Seq. No.	36860	Seq. ID	OJ990818_16.9C10.C10
Gene No.	75841	Strand	+
Start	1	End	280
Name	OJ990818_16.9C10.C10.o2.np	Method	AAT/NAP
Start	1	End	280
GI	4680183	Score	123
Exons	1..60, 189..280		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36860	Seq. ID	OJ990818_16.9C10.C10
Gene No.	75842	Strand	-
Start	1	End	158
Name	OJ990818_16.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	158
GI	6721561	Score	123
Exons	1..158		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36861	Seq. ID	OJ990818_16.9C10.C12
Gene No.	75843	Strand	-

Start	1	End	369
Name	OJ990818_16.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	363
GI	2980802	Score	80
Exons	1..146, 247..363		
GI Descrip.	(AL022197) transcriptional activator CBF1-like protein [Arabidopsis thaliana]		

Seq. No.	36861	Seq. ID	OJ990818_16.9C10.C12
Gene No.	75843	Strand	-
Start	1	End	369
Name	OJ990818_16.9C10.C12.o1.gs	Method	GENSCAN
Start	13	End	369
GI	none	Score	.64
Exons	13..369		

Seq. No.	36862	Seq. ID	OJ990818_16.9C10.C14
Gene No.	75844	Strand	+
Start	169	End	2060
Name	OJ990818_16.9C10.C14.o1.gs	Method	GENSCAN
Start	169	End	2060
GI	none	Score	.66
Exons	169..950, 1327..1437, 1767..1795, 1924..2060		

Seq. No.	36862	Seq. ID	OJ990818_16.9C10.C14
Gene No.	75844	Strand	+
Start	169	End	2060
Name	OJ990818_16.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	877	End	1396
GI	none	Score	61
Exons	877..957, 1043..1225, 1054..1218, 1325..1396		

Seq. No.	36863	Seq. ID	OJ990818_16.9C10.C21
Gene No.	75845	Strand	+
Start	672	End	786
Name	OJ990818_16.9C10.C21.o1.gs	Method	GENSCAN
Start	672	End	786
GI	none	Score	.41
Exons	672..786		

Seq. No.	36863	Seq. ID	OJ990818_16.9C10.C21
Gene No.	75846	Strand	-
Start	456	End	786
Name	OJ990818_16.9C10.C21.o1.np	Method	AAT/NAP
Start	456	End	786
GI	6539570	Score	156
Exons	456..514, 580..786		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	36863	Seq. ID	OJ990818_16.9C10.C21
Gene No.	75847	Strand	-
Start	1562	End	1924
Name	OJ990818_16.9C10.C21.o2.gs	Method	GENSCAN
Start	1562	End	1924
GI	none	Score	.87
Exons	1562..1924		

Seq. No.	36864	Seq. ID	OJ990818_16.9C10.C24
Gene No.	75848	Strand	-
Start	1	End	75
Name	OJ990818_16.9C10.C24.o1.np	Method	AAT/NAP
Start	1	End	75
GI	5777617	Score	80
Exons	1..75		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	36865	Seq. ID	OJ990818_16.9C10.C26
Gene No.	75849	Strand	+
Start	264	End	1160
Name	OJ990818_16.9C10.C26.o1.gs	Method	GENSCAN
Start	264	End	1160
GI	none	Score	.98
Exons	264..434, 1113..1160		

Seq. No.	36865	Seq. ID	OJ990818_16.9C10.C26
Gene No.	75850	Strand	-
Start	2056	End	2210
Name	OJ990818_16.9C10.C26.o2.gs	Method	GENSCAN
Start	2056	End	2210
GI	none	Score	.75
Exons	2056..2210		

Seq. No.	36866	Seq. ID	OJ990818_16.9C10.C28
Gene No.	75851	Strand	+
Start	1	End	638
Name	OJ990818_16.9C10.C28.o1.np	Method	AAT/NAP
Start	1	End	638
GI	6466937	Score	472
Exons	1..638		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36866	Seq. ID	OJ990818_16.9C10.C28
Gene No.	75851	Strand	+
Start	1	End	638
Name	OJ990818_16.9C10.C28.o1.tw	Method	TBLASTX:Wheat
Start	32	End	304
GI	none	Score	212
Exons	32..304, 61..303		

Seq. No.	36866	Seq. ID	OJ990818_16.9C10.C28
Gene No.	75851	Strand	+
Start	1	End	638
Name	OJ990818_16.9C10.C28.o1.tm	Method	TBLASTX:Maize
Start	137	End	636
GI	none	Score	323
Exons	137..481, 223..453, 299..481, 481..636, 507..635		

Seq. No.	36866	Seq. ID	OJ990818_16.9C10.C28
Gene No.	75851	Strand	+
Start	1	End	638
Name	OJ990818_16.9C10.C28.o1.ts	Method	TBLASTX:Soybean
Start	161	End	543
GI	none	Score	225

Exons	161..481, 274..453, 481..543		
Seq. No.	36867	Seq. ID	OJ990818_16.9C10.C33
Gene No.	75852	Strand	+
Start	353	End	412
Name	OJ990818_16.9C10.C33.o1.gs	Method	GENSCAN
Start	353	End	412
GI	none	Score	.58
Exons	353..412		
Seq. No.	36868	Seq. ID	OJ990818_16.9C10.C34
Gene No.	75853	Strand	+
Start	1489	End	6476
Name	OJ990818_16.9C10.C34.o1.gs	Method	GENSCAN
Start	1489	End	6476
GI	none	Score	.77
Exons	1489..1721, 2299..2386, 5091..5241, 5795..5931, 6028..6133, 6226..6476		
Seq. No.	36869	Seq. ID	OJ990818_16.9C10.C35
Gene No.	75854	Strand	+
Start	62	End	1295
Name	OJ990818_16.9C10.C35.o1.gs	Method	GENSCAN
Start	62	End	1295
GI	none	Score	.43
Exons	62..173, 918..1295		
Seq. No.	36870	Seq. ID	OJ990818_16.9C10.C36
Gene No.	75855	Strand	+
Start	89	End	3270
Name	OJ990818_16.9C10.C36.o1.gs	Method	GENSCAN
Start	89	End	3262
GI	none	Score	.89
Exons	89..273, 343..550, 641..691, 781..939, 1025..1189, 1801..2100, 2176..2328, 3089..3262		
Seq. No.	36870	Seq. ID	OJ990818_16.9C10.C36
Gene No.	75855	Strand	+
Start	89	End	3270
Name	OJ990818_16.9C10.C36.o1.tm	Method	TBLASTX:Maize
Start	170	End	450
GI	none	Score	147
Exons	170..274, 175..306, 176..283, 326..448, 343..450, 344..448		
Seq. No.	36870	Seq. ID	OJ990818_16.9C10.C36
Gene No.	75855	Strand	+
Start	89	End	3270
Name	OJ990818_16.9C10.C36.o2.tm	Method	TBLASTX:Maize
Start	2254	End	3258
GI	none	Score	94
Exons	2254..2331, 2255..2335, 3080..3163, 3086..3256, 3087..3257, 3088..3258		
Seq. No.	36870	Seq. ID	OJ990818_16.9C10.C36
Gene No.	75855	Strand	+
Start	89	End	3270
Name	OJ990818_16.9C10.C36.o1.tc	Method	TBLASTX:Cress

Start	3085	End	3259
GI	none	Score	85
Exons	3085..3252, 3086..3259, 3091..3258		

Seq. No.	36870	Seq. ID	OJ990818_16.9C10.C36
Gene No.	75855	Strand	+
Start	89	End	3270
Name	OJ990818_16.9C10.C36.o1.ts	Method	TBLASTX:Soybean
Start	3086	End	3270
GI	none	Score	229
Exons	3086..3259, 3088..3270, 3205..3261		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75856	Strand	+
Start	475	End	3440
Name	OJ990818_16.9C10.C37.o1.gs	Method	GENSCAN
Start	475	End	3440
GI	none	Score	.62
Exons	475..595, 761..865, 941..1064, 1443..1710, 1794..2082, 2186..2278, 2367..2492, 2618..2834, 3340..3440		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75856	Strand	+
Start	475	End	3440
Name	OJ990818_16.9C10.C37.o1.gp	Method	AAT/GAP
Start	1278	End	1688
GI	2310390	Score	589
Exons	1278..1382, 1456..1688		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75856	Strand	+
Start	475	End	3440
Name	OJ990818_16.9C10.C37.o2.gp	Method	AAT/GAP
Start	1300	End	1712
GI	2310390	Score	593
Exons	1300..1382, 1456..1712		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75857	Strand	+
Start	4529	End	7743
Name	OJ990818_16.9C10.C37.o4.gp	Method	AAT/GAP
Start	4529	End	7743
GI	1296_1.R1084	Score	1229
Exons	4529..4719, 7198..7277, 7356..7743		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75858	Strand	+
Start	12417	End	12486
Name	OJ990818_16.9C10.C37.o5.gp	Method	AAT/GAP
Start	12417	End	12486
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	12417..12486		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75859	Strand	-
Start	2746	End	3165
Name	OJ990818_16.9C10.C37.o3.gp	Method	AAT/GAP
Start	2746	End	3165
GI	none	Score	824
Exons	2746..3165		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75860	Strand	-
Start	10740	End	13482
Name	OJ990818_16.9C10.C37.o1.tm	Method	TBLASTX:Maize
Start	409	End	2244
GI	none	Score	189
Exons	409..594, 428..595, 429..596, 747..812, 747..860, 748..864, 748..861, 752..877, 755..877, 914..1018, 920..1018, 940..1062, 1015..1167, 1030..1167, 1034..1174, 1034..1174, 1254..1385, 1263..1385, 1264..1386, 1454..1534, 1455..1529, 1456..1530, 1457..1537, 1539..1706, 1539..1706, 1540..1719, 1544..1711, 1544..1720, 1782..1973, 1794..1958, 1795..1974, 1945..2085, 1955..2083, 2190..2243, 2194..2244		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75860	Strand	-
Start	10740	End	13482
Name	OJ990818_16.9C10.C37.o1.tc	Method	TBLASTX:Cress
Start	1036	End	1713
GI	none	Score	191
Exons	1036..1155, 1037..1174, 1254..1394, 1264..1386, 1454..1522, 1456..1527, 1562..1708, 1582..1713		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75860	Strand	-
Start	10740	End	13482
Name	OJ990818_16.9C10.C37.o2.tm	Method	TBLASTX:Maize
Start	2247	End	2730
GI	none	Score	47
Exons	2247..2279, 2249..2278, 2364..2492, 2364..2492, 2366..2500, 2615..2680, 2615..2662, 2616..2681, 2617..2682, 2689..2730		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75860	Strand	-
Start	10740	End	13482
Name	OJ990818_16.9C10.C37.o3.tm	Method	TBLASTX:Maize
Start	10073	End	10301
GI	none	Score	190
Exons	10073..10300, 10074..10301		

Seq. No.	36871	Seq. ID	OJ990818_16.9C10.C37
Gene No.	75860	Strand	-
Start	10740	End	13482
Name	OJ990818_16.9C10.C37.o3.gs	Method	GENSCAN
Start	10740	End	13482
GI	none	Score	.4
Exons	10740..10771, 11465..11551, 13414..13482		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75861	Strand	+
Start	1	End	5220
Name	OJ990818_16.9C10.C38.o2.np	Method	AAT/NAP
Start	1	End	5220
GI	4680183	Score	160
Exons	1..53, 4451..4521, 5131..5220		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75861	Strand	+
Start	1	End	5220
Name	OJ990818_16.9C10.C38.o1.np	Method	AAT/NAP
Start	491	End	1836
GI	5922628	Score	111
Exons	491..589, 1665..1836		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75862	Strand	+
Start	12722	End	14328
Name	OJ990818_16.9C10.C38.o4.gs	Method	GENSCAN
Start	12722	End	14328
GI	none	Score	.96
Exons	12722..12724, 13561..13655, 13660..13768, 13901..14043, 14175..14328		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75862	Strand	+
Start	12722	End	14328
Name	OJ990818_16.9C10.C38.o3.gp	Method	AAT/GAP
Start	13536	End	14264
GI	none	Score	872
Exons	13536..13768, 13901..14043, 14175..14264		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75863	Strand	+
Start	20767	End	23393
Name	OJ990818_16.9C10.C38.o4.gp	Method	AAT/GAP
Start	20767	End	23024
GI	none	Score	525
Exons	20767..20986, 22816..22896, 23000..23024		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75863	Strand	+
Start	20767	End	23393
Name	OJ990818_16.9C10.C38.o6.gs	Method	GENSCAN
Start	22786	End	23153
GI	none	Score	.6
Exons	22786..22895, 23000..23153		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75863	Strand	+
Start	20767	End	23393
Name	OJ990818_16.9C10.C38.o5.gp	Method	AAT/GAP

Start	22977	End	23393
GI	3061247	Score	749
Exons	22977..23393		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75864	Strand	+
Start	23834	End	23939
Name	OJ990818_16.9C10.C38.o5.np	Method	AAT/NAP
Start	23834	End	23939
GI	5777617	Score	68
Exons	23834..23939		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75865	Strand	+
Start	24790	End	25106
Name	OJ990818_16.9C10.C38.o6.np	Method	AAT/NAP
Start	24790	End	25106
GI	1706331	Score	315
Exons	24790..25106		
GI Descrip.	PYRUVATE DECARBOXYLASE ISOZYME 3 (PDC) gi|476284 (U07338) pyruvate decarboxylase [Oryza sativa]		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75866	Strand	-
Start	6165	End	6597
Name	OJ990818_16.9C10.C38.o3.np	Method	AAT/NAP
Start	6165	End	6597
GI	19923	Score	121
Exons	6165..6283, 6433..6597		
GI Descrip.	(Z14016) pistil extensin like protein, partial CDS [Nicotiana tabacum]		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75867	Strand	-
Start	9157	End	13302
Name	OJ990818_16.9C10.C38.o1.gp	Method	AAT/GAP
Start	8766	End	9028
GI	28898_2.R1084	Score	338
Exons	8766..8900, 8922..9028		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75867	Strand	-
Start	9157	End	13302
Name	OJ990818_16.9C10.C38.o3.gs	Method	GENSCAN
Start	9157	End	11
GI	none	Score	.75
Exons	9157..9274, 10936..11063		

Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75867	Strand	-
Start	9157	End	13302
Name	OJ990818_16.9C10.C38.o2.gp	Method	AAT/GAP
Start	10518	End	13302
GI	none	Score	1104

Exons	10518..10848, 10936..11048, 13143..13302		
Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75868	Strand	-
Start	17749	End	25484
Name	OJ990818_16.9C10.C38.o4.np	Method	AAT/NAP
Start	17749	End	24954
GI	322757	Score	104
Exons	17749..17899, 24113..24232, 24775..24954		
GI Descrip.	pistil extensin-like protein (clone pMG08) - common tobacco (fragment)		
Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75868	Strand	-
Start	17749	End	25484
Name	OJ990818_16.9C10.C38.o7.gs	Method	GENSCAN
Start	23622	End	25484
GI	none	Score	.55
Exons	23622..23632, 24084..24312, 24436..24701, 24721..25286, 25294..25484		
Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75869	Strand	-
Start	25687	End	26197
Name	OJ990818_16.9C10.C38.o1.tm	Method	TBLASTX:Maize
Start	24845	End	25090
GI	none	Score	156
Exons	24845..24979, 24850..24978, 24976..25011, 24977..25057, 25037..25090		
Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75869	Strand	-
Start	25687	End	26197
Name	OJ990818_16.9C10.C38.o1.ts	Method	TBLASTX:Soybean
Start	24847	End	25090
GI	none	Score	310
Exons	24847..25089, 24848..25090		
Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75869	Strand	-
Start	25687	End	26197
Name	OJ990818_16.9C10.C38.o1.tc	Method	TBLASTX:Cress
Start	24859	End	25090
GI	none	Score	309
Exons	24859..25011, 24860..25090		
Seq. No.	36872	Seq. ID	OJ990818_16.9C10.C38
Gene No.	75869	Strand	-
Start	25687	End	26197
Name	OJ990818_16.9C10.C38.o7.np	Method	AAT/NAP
Start	25687	End	26197
GI	5777617	Score	69
Exons	25687..25784, 26134..26197		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	36873	Seq. ID	OJ990818_16.9C10.C39
Gene No.	75870	Strand	+

Start	9176	End	9462
Name	OJ990818_16.9C10.C39.o2.np	Method	AAT/NAP
Start	9176	End	9462
GI	6539588	Score	179
Exons	9176..9462		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36873	Seq. ID	OJ990818_16.9C10.C39
Gene No.	75871	Strand	-
Start	7500	End	8392
Name	OJ990818_16.9C10.C39.o1.np	Method	AAT/NAP
Start	7500	End	8392
GI	5852178	Score	497
Exons	7500..7595, 7958..8061, 8093..8392		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	36873	Seq. ID	OJ990818_16.9C10.C39
Gene No.	75872	Strand	-
Start	9220	End	15652
Name	OJ990818_16.9C10.C39.o2.gs	Method	GENSCAN
Start	9220	End	13822
GI	none	Score	.41
Exons	9220..9414, 10479..10890, 12325..12468, 13536..13822		

Seq. No.	36873	Seq. ID	OJ990818_16.9C10.C39
Gene No.	75872	Strand	-
Start	9220	End	15652
Name	OJ990818_16.9C10.C39.o3.np	Method	AAT/NAP
Start	10513	End	15652
GI	4038481	Score	279
Exons	10513..10906, 12314..12443, 15507..15652		
GI Descrip.	(AL021713) DNA binding-like protein [Arabidopsis thaliana]		

Seq. No.	36873	Seq. ID	OJ990818_16.9C10.C39
Gene No.	75872	Strand	-
Start	9220	End	15652
Name	OJ990818_16.9C10.C39.o2.ts	Method	TBLASTX:Soybean
Start	10761	End	10892
GI	none	Score	72
Exons	10761..10892, 10762..10845		

Seq. No.	36873	Seq. ID	OJ990818_16.9C10.C39
Gene No.	75872	Strand	-
Start	9220	End	15652
Name	OJ990818_16.9C10.C39.o1.ts	Method	TBLASTX:Soybean
Start	12309	End	12467
GI	none	Score	151
Exons	12309..12467, 12313..12450		

Seq. No.	36874	Seq. ID	OJ990818_16.9C10.C41
Gene No.	75873	Strand	+
Start	1838	End	3316
Name	OJ990818_16.9C10.C41.o1.gs	Method	GENSCAN
Start	1838	End	3316
GI	none	Score	.42
Exons	1838..1903, 2336..2363, 3267..3316		

Seq. No.	36874	Seq. ID	OJ990818_16.9C10.C41
Gene No.	75874	Strand	+
Start	7034	End	7303
Name	OJ990818_16.9C10.C41.o2.gp	Method	AAT/GAP
Start	7034	End	7303
GI	none	Score	536
Exons	7034..7303		

Seq. No.	36874	Seq. ID	OJ990818_16.9C10.C41
Gene No.	75875	Strand	-
Start	795	End	16343
Name	OJ990818_16.9C10.C41.o1.np	Method	AAT/NAP
Start	795	End	6042
GI	5922623	Score	71
Exons	795..950, 5967..6042		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	36874	Seq. ID	OJ990818_16.9C10.C41
Gene No.	75875	Strand	-
Start	795	End	16343
Name	OJ990818_16.9C10.C41.o2.gs	Method	GENSCAN
Start	5070	End	16343
GI	none	Score	.62
Exons	5070..5219, 5334..5604, 6648..6908, 7339..7461, 7772..7874, 10422..10567, 11841..11998, 15062..15235, 16224..16343		

Seq. No.	36874	Seq. ID	OJ990818_16.9C10.C41
Gene No.	75875	Strand	-
Start	795	End	16343
Name	OJ990818_16.9C10.C41.o3.gp	Method	AAT/GAP
Start	7371	End	7878
GI	LIB3433-039-P1-K1-C11	Score	679
Exons	7371..7484, 7505..7537, 7590..7878		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75876	Strand	+
Start	1085	End	5175
Name	OJ990818_16.9C10.C42.o1.np	Method	AAT/NAP
Start	1085	End	5171
GI	4335754	Score	1809
Exons	1085..1792, 3906..5171		
GI Descrip.	(AC006284) putative purple acid phosphatase [Arabidopsis thaliana]		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75876	Strand	+
Start	1085	End	5175
Name	OJ990818_16.9C10.C42.o1.gs	Method	GENSCAN
Start	1100	End	5174
GI	none	Score	.9
Exons	1100..1792, 3906..5174		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42

Gene No.	75876	Strand	+
Start	1085	End	5175
Name	OJ990818_16.9C10.C42.o1.gp	Method	AAT/GAP
Start	4774	End	5175
GI	60633_1.R1084	Score	800
Exons	4774..5175		
GI Descrip.	'4335754/gb|AAD17431| 8.0e-30 (AC006284) putative acid phosphatase (contains metallo-phosphoesterase motif, prosite: QDOC50185) [Arabidopsis thaliana]'		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o2.tm	Method	TBLASTX:Maize
Start	1196	End	1527
GI	none	Score	462
Exons	1196..1525, 1207..1281, 1402..1527		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o4.ts	Method	TBLASTX:Soybean
Start	1196	End	1456
GI	none	Score	193
Exons	1196..1363, 1216..1281, 1373..1456		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o4.tm	Method	TBLASTX:Maize
Start	1529	End	1702
GI	none	Score	222
Exons	1529..1702, 1531..1701		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o3.ts	Method	TBLASTX:Soybean
Start	1924	End	7483
GI	none	Score	81
Exons	1924..2007, 6918..7037, 6996..7076, 7025..7081, 7085..7162, 7086..7160, 7178..7285, 7179..7286, 7376..7483, 7399..7464		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o2.ts	Method	TBLASTX:Soybean
Start	4073	End	4331
GI	none	Score	330
Exons	4073..4270, 4074..4274, 4094..4294, 4108..4302, 4281..4331		

Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o1.tm	Method	TBLASTX:Maize
Start	4142	End	4985
GI	none	Score	171

Exons	4142..4270, 4146..4274, 4148..4270, 4277..4972, 4279..4971, 4281..4982, 4281..4985		
Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o1.ts	Method	TBLASTX:Soybean
Start	4457	End	4873
GI	none	Score	326
Exons	4457..4696, 4458..4703, 4467..4703, 4534..4704, 4733..4873, 4734..4871, 4741..4872		
Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o5.tm	Method	TBLASTX:Maize
Start	4985	End	5191
GI	none	Score	210
Exons	4985..5191, 4986..5174		
Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o2.gs	Method	GENSCAN
Start	5994	End	7337
GI	none	Score	.46
Exons	5994..6021, 6383..6603, 6846..7337		
Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o2.np	Method	AAT/NAP
Start	6888	End	7485
GI	5454204	Score	382
Exons	6888..7485		
GI Descrip.	(AC005698) T3P18.18 [Arabidopsis thaliana]		
Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o3.tm	Method	TBLASTX:Maize
Start	6915	End	7313
GI	none	Score	415
Exons	6915..7313, 6918..7040, 7019..7312		
Seq. No.	36875	Seq. ID	OJ990818_16.9C10.C42
Gene No.	75877	Strand	+
Start	5994	End	7485
Name	OJ990818_16.9C10.C42.o2.gp	Method	AAT/GAP
Start	6968	End	7236
GI	uC-osroM202028e12a1	Score	360
Exons	6968..7236		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 1.0e-43 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		
Seq. No.	36876	Seq. ID	OJ990818_16.9C10.C43

Gene No.	75878	Strand	+
Start	1	End	1517
Name	OJ990818_16.9C10.C43.o1.np	Method	AAT/NAP
Start	1	End	1517
GI	5454199	Score	364
Exons	1..596, 1465..1517		
GI Descrip.	(AC005698) T3P18.13 [Arabidopsis thaliana]		

Seq. No.	36876	Seq. ID	OJ990818_16.9C10.C43
Gene No.	75878	Strand	+
Start	1	End	1517
Name	OJ990818_16.9C10.C43.o1.gs	Method	GENSCAN
Start	61	End	637
GI	none	Score	.53
Exons	61..637		

Seq. No.	36876	Seq. ID	OJ990818_16.9C10.C43
Gene No.	75879	Strand	-
Start	483	End	819
Name	OJ990818_16.9C10.C43.o1.tm	Method	TBLASTX:Maize
Start	54	End	583
GI	none	Score	114
Exons	54..146, 56..145, 137..583, 163..411		

Seq. No.	36876	Seq. ID	OJ990818_16.9C10.C43
Gene No.	75879	Strand	-
Start	483	End	819
Name	OJ990818_16.9C10.C43.o1.ts	Method	TBLASTX:Soybean
Start	56	End	562
GI	none	Score	113
Exons	56..157, 57..158, 137..421, 148..402, 464..562		

Seq. No.	36876	Seq. ID	OJ990818_16.9C10.C43
Gene No.	75879	Strand	-
Start	483	End	819
Name	OJ990818_16.9C10.C43.o1.tc	Method	TBLASTX:Cress
Start	137	End	418
GI	none	Score	152
Exons	137..250, 148..249, 277..345, 278..418		

Seq. No.	36876	Seq. ID	OJ990818_16.9C10.C43
Gene No.	75879	Strand	-
Start	483	End	819
Name	OJ990818_16.9C10.C43.o1.gp	Method	AAT/GAP
Start	483	End	819
GI	uC=osroM202028e12b1	Score	662
Exons	483..819		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 7.0e-21 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75880	Strand	+
Start	768	End	1501
Name	OJ990818_16.9C10.C44.o1.gs	Method	GENSCAN
Start	768	End	1501
GI	none	Score	.77

Exons	768..904, 1328..1501		
Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75881	Strand	+
Start	5457	End	6887
Name	OJ990818_16.9C10.C44.o3.gs	Method	GENSCAN
Start	5457	End	6887
GI	none	Score	1
Exons	5457..6887		
Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75881	Strand	+
Start	5457	End	6887
Name	OJ990818_16.9C10.C44.o1.np	Method	AAT/NAP
Start	5462	End	6857
GI	5454198	Score	835
Exons	5462..6857		
GI Descrip.	(AC005698) T3P18.12 [Arabidopsis thaliana]		
Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75882	Strand	+
Start	9785	End	11191
Name	OJ990818_16.9C10.C44.o2.np	Method	AAT/NAP
Start	9767	End	11172
GI	5454198	Score	802
Exons	9767..11172		
GI Descrip.	(AC005698) T3P18.12 [Arabidopsis thaliana]		
Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75882	Strand	+
Start	9785	End	11191
Name	OJ990818_16.9C10.C44.o5.gs	Method	GENSCAN
Start	9785	End	11191
GI	none	Score	1
Exons	9785..11191		
Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75883	Strand	-
Start	4197	End	4712
Name	OJ990818_16.9C10.C44.o2.gs	Method	GENSCAN
Start	4197	End	4712
GI	none	Score	.84
Exons	4197..4298, 4329..4448, 4710..4712		
Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75884	Strand	-
Start	7596	End	11107
Name	OJ990818_16.9C10.C44.o1.ts	Method	TBLASTX:Soybean
Start	5493	End	10591
GI	none	Score	84
Exons	5493..5615, 5574..5654, 5612..5659, 5663..5740, 5664..5738, 5756..5863, 5757..5864, 5904..5954, 5937..6182, 5978..6043, 6176..6277, 6195..6278, 9797..9952, 9797..9913, 9961..10038, 9962..10060, 10238..10495, 10294..10419, 10520..10591, 10522..10590		
Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44

Gene No.	75884	Strand	-
Start	7596	End	11107
Name	OJ990818_16.9C10.C44.o2.tm	Method	TBLASTX:Maize
Start	5499	End	10204
GI	none	Score	323
Exons	5499..5810, 5499..5618, 5609..5809, 9785..10054, 9785..9916, 9907..10053, 10063..10203, 10067..10204		

Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75884	Strand	-
Start	7596	End	11107
Name	OJ990818_16.9C10.C44.o2.tc	Method	TBLASTX:Cress
Start	5574	End	10288
GI	none	Score	46
Exons	5574..5621, 5664..5738, 5763..5882, 5922..5975, 9803..9919, 9962..10036, 10076..10195, 10262..10288		

Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75884	Strand	-
Start	7596	End	11107
Name	OJ990818_16.9C10.C44.o1.tm	Method	TBLASTX:Maize
Start	5811	End	11107
GI	none	Score	222
Exons	5811..6161, 5949..6182, 6228..6797, 6228..6401, 6269..6628, 10262..10495, 10309..10503, 10541..10963, 10543..10941, 10967..11107		

Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75884	Strand	-
Start	7596	End	11107
Name	OJ990818_16.9C10.C44.o1.tc	Method	TBLASTX:Cress
Start	6171	End	10786
GI	none	Score	237
Exons	6171..6470, 6272..6472, 10499..10786, 10585..10785		

Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75884	Strand	-
Start	7596	End	11107
Name	OJ990818_16.9C10.C44.o2.ts	Method	TBLASTX:Soybean
Start	6281	End	11089
GI	none	Score	382
Exons	6281..6619, 6282..6638, 6681..6779, 10594..10932, 10595..10960, 10991..11089		

Seq. No.	36877	Seq. ID	OJ990818_16.9C10.C44
Gene No.	75884	Strand	-
Start	7596	End	11107
Name	OJ990818_16.9C10.C44.o4.gs	Method	GENSCAN
Start	7596	End	8453
GI	none	Score	.41
Exons	7596..7601, 7796..8053, 8379..8453		

Seq. No.	36878	Seq. ID	OJ990908_19.9C10.C2
Gene No.	75885	Strand	+
Start	1	End	836
Name	OJ990908_19.9C10.C2.o1:np	Method	AAT/NAP
Start	1	End	836

GI	5091513	Score	797
Exons	1..22, 130..836		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	36878	Seq. ID	OJ990908_19.9C10.C2
Gene No.	75885	Strand	+
Start	1	End	836
Name	OJ990908_19.9C10.C2.o1.gs	Method	GENSCAN
Start	166	End	755
GI	none	Score	.79
Exons	166..755		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75886	Strand	+
Start	1	End	4648
Name	OJ990908_19.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	3834
GI	4680203	Score	3113
Exons	1..72, 553..2212, 2366..2596, 2873..3834		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75886	Strand	+
Start	1	End	4648
Name	OJ990908_19.9C10.C3.o1.gs	Method	GENSCAN
Start	553	End	3855
GI	none	Score	.83
Exons	553..2050, 2277..2829, 2877..3121, 3473..3855		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75886	Strand	+
Start	1	End	4648
Name	OJ990908_19.9C10.C3.o2.gp	Method	AAT/GAP
Start	557	End	4648
GI	342_1.R1084	Score	5696
Exons	557..4295, 4624..4648		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75887	Strand	-
Start	557	End	4299
Name	OJ990908_19.9C10.C3.o1.gp	Method	AAT/GAP
Start	557	End	4299
GI	342_1.R1084	Score	5699
Exons	557..4299		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o4.tw	Method	TBLASTX:Wheat
Start	890	End	1255
GI	none	Score	82
Exons	890..997, 910..1011, 994..1239, 1002..1238, 1005..1247, 1013..1255		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	1177	End	1605
GI	none	Score	100
Exons	1177..1251, 1252..1314, 1309..1605, 1366..1587		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	1345	End	1686
GI	none	Score	273
Exons	1345..1686, 1539..1667		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	1474	End	1943
GI	none	Score	73
Exons	1474..1530, 1482..1526, 1527..1628, 1528..1632, 1636..1734, 1639..1734, 1641..1742, 1644..1736, 1714..1938, 1734..1943, 1737..1943		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	1519	End	1977
GI	none	Score	233
Exons	1519..1773, 1531..1773, 1783..1977		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	1807	End	2049
GI	none	Score	208
Exons	1807..2049		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	2068	End	2473
GI	none	Score	79
Exons	2068..2118, 2069..2131, 2117..2359, 2137..2358, 2389..2472, 2392..2472, 2393..2473		

Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	2474	End	3774

GI	none	Score	542
Exons	2474..2659, 2479..2952, 2480..2905, 2872..3381, 2910..3341, 3049..3348, 3356..3421, 3375..3416, 3376..3420, 3423..3476, 3427..3486, 3465..3605, 3493..3612, 3496..3612, 3534..3614, 3618..3671, 3619..3699, 3688..3774, 3692..3763, 3714..3770		
Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	2522	End	2836
GI	none	Score	301
Exons	2522..2836, 2539..2808		
Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o2.tc	Method	TBLASTX:Cress
Start	2767	End	3198
GI	none	Score	176
Exons	2767..2952, 2771..2905, 2872..3198, 2910..3194, 3049..3198		
Seq. No.	36879	Seq. ID	OJ990908_19.9C10.C3
Gene No.	75888	Strand	-
Start	4437	End	5438
Name	OJ990908_19.9C10.C3.o2.gs	Method	GENSCAN
Start	4437	End	5438
GI	none	Score	.68
Exons	4437..4691, 4960..5169, 5207..5438		
Seq. No.	36880	Seq. ID	OJ990908_19.9C10.C4
Gene No.	75889	Strand	+
Start	611	End	1775
Name	OJ990908_19.9C10.C4.o1.np	Method	AAT/NAP
Start	611	End	1775
GI	4680204	Score	644
Exons	611..1775		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	36880	Seq. ID	OJ990908_19.9C10.C4
Gene No.	75889	Strand	+
Start	611	End	1775
Name	OJ990908_19.9C10.C4.o1.gs	Method	GENSCAN
Start	686	End	1591
GI	none	Score	.75
Exons	686..1115, 1161..1591		
Seq. No.	36880	Seq. ID	OJ990908_19.9C10.C4
Gene No.	75889	Strand	+
Start	611	End	1775
Name	OJ990908_19.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	1251	End	1654
GI	none	Score	196
Exons	1251..1367, 1253..1486, 1253..1447, 1360..1494, 1484..1654, 1537..1653		
Seq. No.	36881	Seq. ID	OJ990908_19.9C10.C5

Gene No.	75890	Strand	+
Start	71	End	7728
Name	OJ990908_19.9C10.C5.o1.gs	Method	GENSCAN
Start	71	End	7728
GI	none	Score	.77
Exons	71..198, 540..908, 981..1193, 1282..1455, 1586..1654, 1755..1827, 1923..2021, 2121..2276, 4156..4314, 4528..5616, 5672..5764, 5849..6080, 6115..6116, 6267..6502, 7354..7528, 7615..7728		

Seq. No.	36881	Seq. ID	OJ990908_19.9C10.C5
Gene No.	75891	Strand	-
Start	8661	End	9302
Name	OJ990908_19.9C10.C5.o2.gs	Method	GENSCAN
Start	8661	End	9302
GI	none	Score	.63
Exons	8661..9302		

Seq. No.	36882	Seq. ID	OJ990908_19.9C10.C6
Gene No.	75892	Strand	-
Start	46	End	1189
Name	OJ990908_19.9C10.C6.o1.gs	Method	GENSCAN
Start	46	End	1189
GI	none	Score	.54
Exons	46..301, 444..666, 748..920, 1130..1189		

Seq. No.	36882	Seq. ID	OJ990908_19.9C10.C6
Gene No.	75893	Strand	-
Start	1243	End	2028
Name	OJ990908_19.9C10.C6.o1.gp	Method	AAT/GAP
Start	1243	End	2028
GI	95583_1.R1084	Score	1160
Exons	1243..1686, 1786..2028		
GI Descrip.	'343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)'		

Seq. No.	36882	Seq. ID	OJ990908_19.9C10.C6
Gene No.	75893	Strand	-
Start	1243	End	2028
Name	OJ990908_19.9C10.C6.o2.gs	Method	GENSCAN
Start	1446	End	1991
GI	none	Score	.48
Exons	1446..1686, 1786..1991		

Seq. No.	36883	Seq. ID	OJ990908_19.9C10.C7
Gene No.	75894	Strand	+
Start	1297	End	12186
Name	OJ990908_19.9C10.C7.o1.gs	Method	GENSCAN
Start	1297	End	11863
GI	none	Score	.55
Exons	1297..1344, 2004..2177, 2270..2395, 4449..4476, 5419..5497, 5960..6056, 6776..6815, 8227..8578, 9015..9224, 9315..9395, 10220..10301, 10437..10477, 10506..10539, 10747..10834, 11102..11173, 11268..11863		

Seq. No.	36883	Seq. ID	OJ990908_19.9C10.C7
Gene No.	75894	Strand	+

Start	1297	End	12186
Name	OJ990908_19.9C10.C7.o4.gp	Method	AAT/GAP
Start	8711	End	10482
GI	6025022	Score	410
Exons	8711..8858, 10220..10301, 10437..10482		

Seq. No.	36883	Seq. ID	OJ990908_19.9C10.C7
Gene No.	75894	Strand	+
Start	1297	End	12186
Name	OJ990908_19.9C10.C7.o2.np	Method	AAT/NAP
Start	10162	End	12186
GI	6815072	Score	365
Exons	10162..10252, 11481..11855, 11948..12186		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	36883	Seq. ID	OJ990908_19.9C10.C7
Gene No.	75895	Strand	-
Start	1	End	12186
Name	OJ990908_19.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	12186
GI	5042454	Score	272
Exons	1..54, 1932..2302, 5930..6116, 12146..12186		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	36883	Seq. ID	OJ990908_19.9C10.C7
Gene No.	75895	Strand	-
Start	1	End	12186
Name	OJ990908_19.9C10.C7.o1.gp	Method	AAT/GAP
Start	3499	End	3574
GI	LIB3477-003-P1-K1-E9	Score	101
Exons	3499..3574		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	36883	Seq. ID	OJ990908_19.9C10.C7
Gene No.	75895	Strand	-
Start	1	End	12186
Name	OJ990908_19.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	4810	End	4953
GI	none	Score	235
Exons	4810..4953, 4813..4947, 4814..4948		

Seq. No.	36883	Seq. ID	OJ990908_19.9C10.C7
Gene No.	75895	Strand	-
Start	1	End	12186
Name	OJ990908_19.9C10.C7.o3.gp	Method	AAT/GAP
Start	4811	End	4951
GI	5003694	Score	237
Exons	4811..4951		
GI Descrip.	343696/gb|K01229|WHTMTRR18 0.0e+00 Wheat mitochondrial small subunit (18S) rRNA gene (complete)		

Seq. No.	36883	Seq. ID	OJ990908_19.9C10.C7
Gene No.	75895	Strand	-
Start	1	End	12186

Name	OJ990908_19.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	11591	End	12114
GI	none	Score	82
Exons	11591..11644, 11651..11908, 11911..12114, 11914..12084, 12009..12098		

Seq. No.	36884	Seq. ID	OJ990908_19.9C10.C9
Gene No.	75896	Strand	+
Start	1	End	1713
Name	OJ990908_19.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	1713
GI	6815072	Score	1020
Exons	1..1713		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	36884	Seq. ID	OJ990908_19.9C10.C9
Gene No.	75896	Strand	+
Start	1	End	1713
Name	OJ990908_19.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	548	End	1003
GI	none	Score	70
Exons	548..616, 563..754, 779..1003, 862..1002		

Seq. No.	36884	Seq. ID	OJ990908_19.9C10.C9
Gene No.	75896	Strand	+
Start	1	End	1713
Name	OJ990908_19.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	1148	End	1516
GI	none	Score	344
Exons	1148..1516, 1159..1254, 1172..1342		

Seq. No.	36885	Seq. ID	OJ990908_19.9C10.C10
Gene No.	75897	Strand	+
Start	142	End	4351
Name	OJ990908_19.9C10.C10.o1.gs	Method	GENSCAN
Start	142	End	4351
GI	none	Score	.77
Exons	142..285, 368..641, 732..834, 949..1079, 1211..1286, 1375..1507, 2003..2296, 2380..2462, 3097..3199, 3845..3928, 4304..4351		

Seq. No.	36886	Seq. ID	OJ990908_19.9C10.C11
Gene No.	75898	Strand	+
Start	3765	End	5519
Name	OJ990908_19.9C10.C11.o2.gs	Method	GENSCAN
Start	3765	End	5519
GI	none	Score	.59
Exons	3765..3926, 3950..4049, 4250..4548, 4586..4723, 4754..4842, 5044..5175, 5363..5519		

Seq. No.	36886	Seq. ID	OJ990908_19.9C10.C11
Gene No.	75899	Strand	+
Start	11227	End	11870
Name	OJ990908_19.9C10.C11.o4.gs	Method	GENSCAN
Start	11227	End	11870
GI	none	Score	.55
Exons	11227..11438, 11696..11870		

Seq. No.	36886	Seq. ID	OJ990908_19.9C10.C11
Gene No.	75900	Strand	-
Start	1598	End	6902
Name	OJ990908_19.9C10.C11.o1.np	Method	AAT/NAP
Start	1598	End	6902
GI	5091513	Score	1967
Exons	1598..1644, 2099..3076, 3813..4989, 6858..6902		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	36886	Seq. ID	OJ990908_19.9C10.C11
Gene No.	75900	Strand	-
Start	1598	End	6902
Name	OJ990908_19.9C10.C11.o1.gs	Method	GENSCAN
Start	1838	End	3267
GI	none	Score	.92
Exons	1838..2277, 2365..3040, 3241..3267		

Seq. No.	36886	Seq. ID	OJ990908_19.9C10.C11
Gene No.	75900	Strand	-
Start	1598	End	6902
Name	OJ990908_19.9C10.C11.o1.gp	Method	AAT/GAP
Start	5793	End	6119
GI	72524_1.R1084	Score	410
Exons	5793..6119		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	36886	Seq. ID	OJ990908_19.9C10.C11
Gene No.	75901	Strand	-
Start	7062	End	8744
Name	OJ990908_19.9C10.C11.o3.gs	Method	GENSCAN
Start	7062	End	8744
GI	none	Score	.54
Exons	7062..7259, 8715..8744		

Seq. No.	36886	Seq. ID	OJ990908_19.9C10.C11
Gene No.	75902	Strand	-
Start	21153	End	21539
Name	OJ990908_19.9C10.C11.o6.gs	Method	GENSCAN
Start	21153	End	21539
GI	none	Score	.72
Exons	21153..21539		

Seq. No.	36887	Seq. ID	OJ990908_19.9C10.C12
Gene No.	75903	Strand	+
Start	506	End	2570
Name	OJ990908_19.9C10.C12.o1.gs	Method	GENSCAN
Start	506	End	2450
GI	none	Score	.6
Exons	506..603, 681..930, 987..1119, 1587..1797, 2232..2278, 2342..2450		

Seq. No.	36887	Seq. ID	OJ990908_19.9C10.C12
Gene No.	75903	Strand	+
Start	506	End	2570
Name	OJ990908_19.9C10.C12.o1.np	Method	AAT/NAP

Start	673	End	2570
GI	6069646	Score	2253
Exons	673..1306, 1591..2570		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	36887	Seq. ID	OJ990908_19.9C10.C12
Gene No.	75904	Strand	-
Start	64	End	234
Name	OJ990908_19.9C10.C12.o1.gp	Method	AAT/GAP
Start	64	End	234
GI	10431_1.R1084	Score	310
Exons	64..234		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	36887	Seq. ID	OJ990908_19.9C10.C12
Gene No.	75905	Strand	
Start	843	End	1529
Name	OJ990908_19.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	843	End	1529
GI	none	Score	77
Exons	843..938, 852..932, 920..1369, 932..1351, 1368..1529, 1369..1527		

Seq. No.	36887	Seq. ID	OJ990908_19.9C10.C12
Gene No.	75906	Strand	
Start	1959	End	2540
Name	OJ990908_19.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	1959	End	2540
GI	none	Score	73
Exons	1959..2084, 2117..2188, 2118..2312, 2346..2540		

Seq. No.	36887	Seq. ID	OJ990908_19.9C10.C12
Gene No.	75906	Strand	
Start	1959	End	2540
Name	OJ990908_19.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	2109	End	2444
GI	none	Score	167
Exons	2109..2288, 2120..2242, 2412..2444		

Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75907	Strand	+
Start	8085	End	11124
Name	OJ990908_19.9C10.C13.o2.gs	Method	GENSCAN
Start	8085	End	11124
GI	none	Score	.79
Exons	8085..8099, 8701..8899, 11102..11124		

Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75908	Strand	-
Start	3045	End	6690
Name	OJ990908_19.9C10.C13.o1.gp	Method	AAT/GAP
Start	2710	End	2957
GI	286920	Score	496

Exons	2710..2957		
Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75908	Strand	-
Start	3045	End	6690
Name	OJ990908_19.9C10.C13.o1.gs	Method	GENSCAN
Start	3045	End	6678
GI	none	Score	1
Exons	3045..3538, 3765..6678		
Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75908	Strand	-
Start	3045	End	6690
Name	OJ990908_19.9C10.C13.o1.np	Method	AAT/NAP
Start	3084	End	6690
GI	2982452	Score	1900
Exons	3084..3560, 3749..4176, 4219..4419, 4462..4595, 4635..5184, 5410..6690		
GI Descrip.	(AL022223) receptor protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	3204	End	6543
GI	none	Score	80
Exons	3204..3326, 3444..3539, 3835..3999, 3923..3997, 4039..4176, 4240..4356, 4645..4884, 4702..4743, 4798..4881, 4801..4890, 4801..4884, 4801..4884, 4801..4884, 4888..4959, 4888..5175, 4891..5367, 4891..5268, 4894..5484, 4894..5331, 4904..5083, 4912..5367, 4912..5364, 4912..5367, 4915..5367, 4919..5089, 4924..5364, 4996..5367, 5044..5364, 5063..5236, 5413..5763, 5416..5829, 5416..5808, 5422..5679, 5423..5581, 5425..5493, 5425..5967, 5425..6048, 5425..5808, 5479..6051, 5500..6090, 5558..5728, 5570..5875, 5644..6099, 5648..5941, 5696..5800, 5785..6093, 5911..6090, 6148..6198, 6184..6387, 6190..6441, 6199..6441, 6202..6414, 6205..6423, 6205..6417, 6205..6345, 6205..6423, 6205..6441, 6205..6423, 6223..6417, 6226..6441, 6283..6399, 6433..6543		
Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	3234	End	6480
GI	none	Score	88
Exons	3234..3335, 3402..3539, 3766..3999, 4030..4182, 4058..4174, 4232..4393, 4243..4392, 4801..5514, 4876..5364, 4885..5247, 4888..5160, 4891..5232, 4903..5190, 4912..5304, 4912..5091, 4993..5367, 5062..5367, 5066..5365, 5134..5520, 5167..5286, 5353..5760, 5416..5802, 5419..5832, 5425..6084, 5425..6021, 5425..5664, 5464..6099, 5542..5646, 5635..5832, 5887..6006, 6070..6414, 6205..6441, 6205..6378, 6205..6318, 6208..6480, 6211..6423, 6214..6423, 6223..6423, 6224..6388, 6253..6345		
Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13

Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	3465	End	4402
GI	none	Score	73
Exons	3465..3539, 3766..3999, 4030..4176, 4058..4177, 4229..4402, 4243..4392		

Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	3862	End	4206
GI	none	Score	99
Exons	3862..3999, 3890..4000, 4030..4206, 4039..4176		

Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	4705	End	6495
GI	none	Score	104
Exons	4705..4746, 4801..4884, 4838..4885, 4903..5187, 4906..5175, 4912..5247, 4916..5233, 4918..5367, 4919..5077, 4921..5319, 4993..5256, 5062..5352, 5074..5190, 5099..5365, 5119..5364, 5122..5607, 5135..5365, 5207..5437, 5209..5463, 5263..5520, 5344..5640, 5344..5835, 5345..5824, 5425..5679, 5426..5608, 5479..5751, 5482..5832, 5495..5737, 5569..6039, 5569..5835, 5629..6093, 5633..5941, 5695..5808, 5711..5941, 5767..5817, 5780..6013, 5783..6076, 5878..6102, 5893..6042, 5923..6051, 5923..6093, 5929..6093, 6070..6222, 6148..6186, 6199..6261, 6205..6414, 6205..6411, 6208..6333, 6211..6408, 6223..6417, 6284..6406, 6295..6423, 6364..6423, 6427..6495		

Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o2.tw	Method	TBLASTX:Wheat
Start	4894	End	6555
GI	none	Score	56
Exons	4894..5103, 5008..5337, 5080..5367, 5120..5209, 5425..5520, 5428..5625, 5440..5781, 5656..5967, 5878..6093, 6205..6423, 6496..6555		

Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o3.tm	Method	TBLASTX:Maize
Start	8740	End	9339
GI	none	Score	66
Exons	8740..8859, 8880..8999, 8881..9081, 9142..9339		

Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o3.gs	Method	GENSCAN
Start	14479	End	17191

GI	none	Score	.57
Exons	14479..14562, 15660..15746, 17123..17191		

Seq. No.	36888	Seq. ID	OJ990908_19.9C10.C13
Gene No.	75909	Strand	-
Start	14479	End	17360
Name	OJ990908_19.9C10.C13.o2.np	Method	AAT/NAP
Start	15608	End	17360
GI	6069471	Score	128
Exons	15608..15746, 16212..16268, 17123..17360		
GI Descrip.	(AB022071) S-locus protein 3 [Brassica rapa]		

Seq. No.	36889	Seq. ID	OJ990908_19.9C10.C14
Gene No.	75910	Strand	-
Start	656	End	1100
Name	OJ990908_19.9C10.C14.o1.np	Method	AAT/NAP
Start	656	End	1100
GI	6069471	Score	134
Exons	656..777, 854..962, 1078..1100		
GI Descrip.	(AB022071) S-locus protein 3 [Brassica rapa]		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75911	Strand	+
Start	9066	End	12238
Name	OJ990908_19.9C10.C15.o4.np	Method	AAT/NAP
Start	9066	End	12238
GI	6721562	Score	681
Exons	9066..9118, 10019..10867, 12209..12238		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75911	Strand	+
Start	9066	End	12238
Name	OJ990908_19.9C10.C15.o5.np	Method	AAT/NAP
Start	10081	End	12034
GI	4680186	Score	208
Exons	10081..10169, 10371..10605, 11830..12034		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75912	Strand	-
Start	1	End	3339
Name	OJ990908_19.9C10.C15.o1.gp	Method	AAT/GAP
Start	1	End	3339
GI	6720_1.R1084	Score	714
Exons	1..73, 1042..1102, 1862..1919, 3017..3099, 3187..3339		
GI Descrip.	'4680685/gb|AAD27732.1|AF132957_1 2.0e-20 (AF132957) CGI-23 protein [Homo sapiens]'		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75912	Strand	-
Start	1	End	3339
Name	OJ990908_19.9C10.C15.o1.np	Method	AAT/NAP

Start	1	End	3297
GI	5912163	Score	110
Exons	1..43, 1784..1919, 3014..3099, 3187..3297		
GI Descrip.	(AL117419) hypothetical protein [Homo sapiens]		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75912	Strand	-
Start	1	End	3339
Name	OJ990908_19.9C10.C15.o1.gs	Method	GENSCAN
Start	1043	End	3312
GI	none	Score	.55
Exons	1043..1128, 2411..2531, 2917..2981, 3061..3142, 3187..3312		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75913	Strand	-
Start	4223	End	8403
Name	OJ990908_19.9C10.C15.o2.gs	Method	GENSCAN
Start	4223	End	6313
GI	none	Score	.46
Exons	4223..4291, 4338..4515, 4827..4986, 5551..5840, 6108..6313		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75913	Strand	-
Start	4223	End	8403
Name	OJ990908_19.9C10.C15.o2.np	Method	AAT/NAP
Start	5911	End	8403
GI	4773884	Score	185
Exons	5911..6013, 6108..6184, 8365..8403		
GI Descrip.	(AF076243) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75914	Strand	-
Start	9224	End	9767
Name	OJ990908_19.9C10.C15.o3.np	Method	AAT/NAP
Start	9224	End	9767
GI	6539585	Score	137
Exons	9224..9300, 9601..9767		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75915	Strand	-
Start	11578	End	11963
Name	OJ990908_19.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	1	End	3282
GI	none	Score	102
Exons	1..102, 5..91, 1038..1103, 1043..1105, 1847..1921, 1851..1922, 1856..1933, 1860..1934, 3016..3102, 3017..3097, 3184..3252, 3244..3282		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75915	Strand	-
Start	11578	End	11963
Name	OJ990908_19.9C10.C15.o1.ts	Method	TBLASTX:Soybean
Start	3014	End	3282
GI	none	Score	76
Exons	3014..3112, 3016..3102, 3184..3282		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75915	Strand	-
Start	11578	End	11963
Name	OJ990908_19.9C10.C15.o1.tw	Method	TBLASTX:Wheat
Start	5911	End	6032
GI	none	Score	104
Exons	5911..6015, 5912..6013, 5913..6032		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75915	Strand	-
Start	11578	End	11963
Name	OJ990908_19.9C10.C15.o1.tc	Method	TBLASTX:Cress
Start	5912	End	6158
GI	none	Score	149
Exons	5912..6040, 5913..6032, 6105..6158, 6109..6150		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75915	Strand	-
Start	11578	End	11963
Name	OJ990908_19.9C10.C15.o2.ts	Method	TBLASTX:Soybean
Start	5912	End	6185
GI	none	Score	161
Exons	5912..6040, 5913..6032, 6105..6185, 6109..6150		

Seq. No.	36890	Seq. ID	OJ990908_19.9C10.C15
Gene No.	75915	Strand	-
Start	11578	End	11963
Name	OJ990908_19.9C10.C15.o2.gp	Method	AAT/GAP
Start	11578	End	11963
GI	uC-osflcyp033a04b1	Score	641
Exons	11578..11963		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75916	Strand	+
Start	1	End	5695
Name	OJ990908_19.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	5344
GI	6498441	Score	3645
Exons	1..189, 773..1475, 1806..2256, 2320..2693, 2877..3011, 3185..3847, 4034..4994, 5088..5344		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75916	Strand	+
Start	1	End	5695
Name	OJ990908_19.9C10.C16.o1.gs	Method	GENSCAN
Start	229	End	5695
GI	none	Score	.55
Exons	229..364, 740..1515, 1605..1784, 1795..2241, 2320..2424, 2455..3011, 3122..3649, 3751..4192, 4233..4544, 4626..4739, 4776..5142, 5571..5695		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16

Gene No.	75917	Strand	+
Start	9947	End	17222
Name	OJ990908_19.9C10.C16.o3.gs	Method	GENSCAN
Start	9947	End	14155
GI	none	Score	.59
Exons	9947..9981, 10077..10191, 10638..10727, 11759..11908, 13396..13597, 14027..14155		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75917	Strand	+
Start	9947	End	17222
Name	OJ990908_19.9C10.C16.o1.gp	Method	AAT/GAP
Start	11301	End	11636
GI	uC-osroM202025d06b1	Score	454
Exons	11301..11636		
GI Descrip.	'3036816/emb|CAA18506| 4.0e-15 (AL022373) myosin-like protein [Arabidopsis thaliana]'		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75917	Strand	+
Start	9947	End	17222
Name	OJ990908_19.9C10.C16.o3.np	Method	AAT/NAP
Start	13424	End	17222
GI	5080759	Score	463
Exons	13424..13637, 13779..13890, 13985..14155, 14972..15035, 15126..15180, 17202..17222		
GI Descrip.	(AC007203) Putative UDP-glucose:sterol glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o4.tw	Method	TBLASTX:Wheat
Start	1686	End	2201
GI	none	Score	91
Exons	1686..1802, 1825..2172, 1884..2201		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	2329	End	2790
GI	none	Score	552
Exons	2329..2763, 2332..2790, 2337..2789		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o3.ts	Method	TBLASTX:Soybean
Start	2368	End	2733
GI	none	Score	112
Exons	2368..2583, 2599..2733		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o1.tm	Method	TBLASTX:Maize

Start	2458	End	2814
GI	none	Score	376
Exons	2458..2814, 2493..2804		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o3.tm	Method	TBLASTX:Maize
Start	2841	End	3224
GI	none	Score	276
Exons	2841..3119, 2842..3120, 2842..3120, 3114..3224		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o2.ts	Method	TBLASTX:Soybean
Start	2875	End	3111
GI	none	Score	202
Exons	2875..3111, 2892..3089		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o2.tw	Method	TBLASTX:Wheat
Start	2899	End	3308
GI	none	Score	275
Exons	2899..3129, 2904..3119, 3111..3257, 3252..3308		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o5.tw	Method	TBLASTX:Wheat
Start	3719	End	4168
GI	none	Score	209
Exons	3719..3943, 3787..3960, 4016..4168, 4030..4167		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	4287	End	4610
GI	none	Score	328
Exons	4287..4610, 4400..4600		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o3.tw	Method	TBLASTX:Wheat
Start	4424	End	4778
GI	none	Score	342
Exons	4424..4771, 4425..4778		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o6.tw	Method	TBLASTX:Wheat
Start	4800	End	5335

GI	none	Score	229
Exons	4800..5048, 4931..5032, 5122..5184, 5212..5238, 5303..5335		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o2.np	Method	AAT/NAP
Start	6066	End	9641
GI	5803259	Score	1901
Exons	6066..6740, 6846..7055, 7191..8211, 8369..8615, 8649..9641		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75918	Strand	-
Start	6231	End	9641
Name	OJ990908_19.9C10.C16.o2.gs	Method	GENSCAN
Start	6231	End	9632
GI	none	Score	.89
Exons	6231..7676, 7936..8217, 8363..8901, 8907..9436, 9463..9632		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75919	Strand	
Start	13512	End	15189
Name	OJ990908_19.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	13512	End	14058
GI	none	Score	99
Exons	13512..13625, 13513..13605, 13608..13637, 13764..13895, 13769..13903, 13779..13904, 13984..14055, 13986..14057, 13987..14058		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75919	Strand	
Start	13512	End	15189
Name	OJ990908_19.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	13758	End	14157
GI	none	Score	143
Exons	13758..13895, 13775..13903, 13779..13904, 13986..14156, 13987..14157		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75919	Strand	
Start	13512	End	15189
Name	OJ990908_19.9C10.C16.o4.tm	Method	TBLASTX:Maize
Start	13779	End	15183
GI	none	Score	143
Exons	13779..13904, 13793..13903, 13986..14159, 13987..14157, 14971..15036, 15127..15183		

Seq. No.	36891	Seq. ID	OJ990908_19.9C10.C16
Gene No.	75919	Strand	
Start	13512	End	15189
Name	OJ990908_19.9C10.C16.o2.tc	Method	TBLASTX:Cress
Start	14070	End	15189
GI	none	Score	118
Exons	14070..14156, 14071..14157, 14970..15035, 14971..15036, 14972..15052, 15120..15179, 15127..15189		

Seq. No.	36892	Seq. ID	OJ990908_19.9C10.C17
Gene No.	75920	Strand	-
Start	239	End	601
Name	OJ990908_19.9C10.C17.o1.gs	Method	GENSCAN
Start	239	End	601
GI	none	Score	.42
Exons	239..601		

Seq. No.	36893	Seq. ID	OJ990908_19.9C10.C18
Gene No.	75921	Strand	+
Start	199	End	1174
Name	OJ990908_19.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	180	End	362
GI	none	Score	69
Exons	180..266, 198..362, 211..357		

Seq. No.	36893	Seq. ID	OJ990908_19.9C10.C18
Gene No.	75921	Strand	+
Start	199	End	1174
Name	OJ990908_19.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	189	End	321
GI	none	Score	147
Exons	189..320, 192..317, 211..321		

Seq. No.	36893	Seq. ID	OJ990908_19.9C10.C18
Gene No.	75921	Strand	+
Start	199	End	1174
Name	OJ990908_19.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	198	End	376
GI	none	Score	95
Exons	198..350, 201..350, 211..351, 215..376, 218..352		

Seq. No.	36893	Seq. ID	OJ990908_19.9C10.C18
Gene No.	75921	Strand	+
Start	199	End	1174
Name	OJ990908_19.9C10.C18.o1.gs	Method	GENSCAN
Start	199	End	464
GI	none	Score	.82
Exons	199..348, 414..464		

Seq. No.	36893	Seq. ID	OJ990908_19.9C10.C18
Gene No.	75921	Strand	+
Start	199	End	1174
Name	OJ990908_19.9C10.C18.o1.np	Method	AAT/NAP
Start	199	End	1174
GI	2462931	Score	183
Exons	199..380, 1142..1174,		
GI Descrip.	(Z83833) UDP-glucose:sterol glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75922	Strand	+
Start	1	End	1253
Name	OJ990908_19.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	617
GI	2462911	Score	176
Exons	1..48, 444..617		

GI Descrip. (Z83832) UDP-glucose:sterol glucosyltransferase [Avena sativa]

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75922	Strand	+
Start	1	End	1253
Name	OJ990908_19.9C10.C19.o1.gs	Method	GENSCAN
Start	444	End	1253
GI	none	Score	.62
Exons	444..593, 1098..1253		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75923	Strand	+
Start	1170	End	7872
Name	OJ990908_19.9C10.C19.o2.np	Method	AAT/NAP
Start	1170	End	7872
GI	2462911	Score	445
Exons	1170..1199, 6102..6279, 7249..7403, 7824..7872		
GI Descrip.	(Z83832) UDP-glucose:sterol glucosyltransferase [Avena sativa]		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75923	Strand	+
Start	1170	End	7872
Name	OJ990908_19.9C10.C19.o2.gs	Method	GENSCAN
Start	2618	End	3331
GI	none	Score	.97
Exons	2618..2698, 3149..3331		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75924	Strand	-
Start	747	End	989
Name	OJ990908_19.9C10.C19.o1.gp	Method	AAT/GAP
Start	747	End	989
GI	426302	Score	420
Exons	747..989		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75925	Strand	-
Start	4810	End	7383
Name	OJ990908_19.9C10.C19.o1.ts	Method	TBLASTX:Soybean
Start	443	End	7378
GI	none	Score	118
Exons	443..532, 444..548, 584..637, 6102..6278, 6102..6287, 6103..6291, 7227..7361, 7246..7374, 7247..7375, 7247..7378		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75925	Strand	-
Start	4810	End	7383
Name	OJ990908_19.9C10.C19.o2.tm	Method	TBLASTX:Maize
Start	449	End	626
GI	none	Score	207
Exons	449..616, 471..626		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75925	Strand	-
Start	4810	End	7383
Name	OJ990908_19.9C10.C19.o3.gs	Method	GENSCAN
Start	4810	End	5790

GI	none	Score	.4
Exons	4810..5027, 5706..5790		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75925	Strand	-
Start	4810	End	7383
Name	OJ990908_19.9C10.C19.o1.tc	Method	TBLASTX:Cress
Start	6095	End	7371
GI	none	Score	80
Exons	6095..6214, 6099..6278, 6102..6278, 6188..6283, 7227..7361, 7246..7371		

Seq. No.	36894	Seq. ID	OJ990908_19.9C10.C19
Gene No.	75925	Strand	-
Start	4810	End	7383
Name	OJ990908_19.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	6095	End	7383
GI	none	Score	132
Exons	6095..6220, 6099..6278, 6102..6278, 6188..6283, 7227..7361, 7246..7383, 7247..7375		

Seq. No.	36895	Seq. ID	OJ990908_19.9C10.C21
Gene No.	75926	Strand	+
Start	70	End	466
Name	OJ990908_19.9C10.C21.o1.gs	Method	GENSCAN
Start	70	End	466
GI	none	Score	.48
Exons	70..269, 271..466		

Seq. No.	36895	Seq. ID	OJ990908_19.9C10.C21
Gene No.	75927	Strand	-
Start	1	End	235
Name	OJ990908_19.9C10.C21.o1.gp	Method	AAT/GAP
Start	1	End	235
GI	2311843	Score	435
Exons	1..235		

Seq. No.	36895	Seq. ID	OJ990908_19.9C10.C21
Gene No.	75927	Strand	-
Start	1	End	235
Name	OJ990908_19.9C10.C21.o1.np	Method	AAT/NAP
Start	1	End	198
GI	2944040	Score	120
Exons	1..89, 123..198		
GI Descrip.	(AF048900) indeterminate spikelet 1 [Zea mays]		

Seq. No.	36896	Seq. ID	OJ990318_07.9C03.C1
Gene No.	75928	Strand	-
Start	156	End	395
Name	OJ990318_07.9C03.C1.o1.gs	Method	GENSCAN
Start	156	End	395
GI	none	Score	.97
Exons	156..395		

Seq. No.	36897	Seq. ID	OJ990318_07.9C03.C2
Gene No.	75929	Strand	+
Start	3493	End	4612

Name	OJ990318_07.9C03.C2.o2.gs	Method	GENSCAN
Start	3493	End	4612
GI	none	Score	.83
Exons	3493..3870, 4041..4167, 4395..4612		

Seq. No.	36897	Seq. ID	OJ990318_07.9C03.C2
Gene No.	75930	Strand	-
Start	1	End	1593
Name	OJ990318_07.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	1419
GI	6382503	Score	541
Exons	1..231, 262..471, 511..794, 1131..1419		
GI Descrip.	(AC010704) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36897	Seq. ID	OJ990318_07.9C03.C2
Gene No.	75930	Strand	-
Start	1	End	1593
Name	OJ990318_07.9C03.C2.o1.gs	Method	GENSCAN
Start	22	End	1593
GI	none	Score	.99
Exons	22..794, 1131..1455, 1564..1593		

Seq. No.	36897	Seq. ID	OJ990318_07.9C03.C2
Gene No.	75930	Strand	-
Start	1	End	1593
Name	OJ990318_07.9C03.C2.o1.gp	Method	AAT/GAP
Start	517	End	1217
GI	3107608	Score	507
Exons	517..794, 1131..1217		
GI Descrip.	3036816/emb|CAA18506| 4.0e-15 (AL022373) myosin-like protein [Arabidopsis thaliana]		

Seq. No.	36897	Seq. ID	OJ990318_07.9C03.C2
Gene No.	75931	Strand	-
Start	2985	End	4443
Name	OJ990318_07.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	1	End	185
GI	none	Score	61
Exons	1..39, 2..37, 2..46, 19..180, 40..183, 42..185, 42..185		

Seq. No.	36897	Seq. ID	OJ990318_07.9C03.C2
Gene No.	75931	Strand	-
Start	2985	End	4443
Name	OJ990318_07.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	204	End	1273
GI	none	Score	267
Exons	204..509, 205..516, 205..807, 494..541, 564..761, 589..795, 593..808, 1128..1235, 1130..1273		

Seq. No.	36897	Seq. ID	OJ990318_07.9C03.C2
Gene No.	75931	Strand	-
Start	2985	End	4443
Name	OJ990318_07.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	520	End	1287
GI	none	Score	155
Exons	520..795, 521..808, 1129..1287, 1130..1285		

Seq. No.	36897	Seq. ID	OJ990318_07.9C03.C2
Gene No.	75931	Strand	-
Start	2985	End	4443
Name	OJ990318_07.9C03.C2.o2.gp	Method	AAT/GAP
Start	2985	End	4443
GI	2280701	Score	500
Exons	2985..3062, 4193..4443		

Seq. No.	36898	Seq. ID	OJ990318_07.9C03.C4
Gene No.	75932	Strand	+
Start	1	End	1045
Name	OJ990318_07.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	1025
GI	1172874	Score	433
Exons	1..87, 331..1025		
GI Descrip.	DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR gi|479589|pir||S34823 dehydration-induced protein RD22 - Arabidopsis thaliana gi|391608|dbj|BAA01546| (D10703) rd22 [Arabidopsis thaliana] gi|447134|prf||1913421A rd22 gene [Arabidopsis thaliana]		

Seq. No.	36898	Seq. ID	OJ990318_07.9C03.C4
Gene No.	75932	Strand	+
Start	1	End	1045
Name	OJ990318_07.9C03.C4.o1.gs	Method	GENSCAN
Start	138	End	1031
GI	none	Score	.75
Exons	138..1031		

Seq. No.	36898	Seq. ID	OJ990318_07.9C03.C4
Gene No.	75932	Strand	+
Start	1	End	1045
Name	OJ990318_07.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	330	End	1022
GI	none	Score	72
Exons	330..401, 342..401, 446..697, 840..1016, 900..1022	447..701, 777..842, 827..991,	

Seq. No.	36898	Seq. ID	OJ990318_07.9C03.C4
Gene No.	75932	Strand	+
Start	1	End	1045
Name	OJ990318_07.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	330	End	1040
GI	none	Score	73
Exons	330..401, 342..401, 429..701, 837..1040	446..712, 708..839, 827..1033,	

Seq. No.	36898	Seq. ID	OJ990318_07.9C03.C4
Gene No.	75932	Strand	+
Start	1	End	1045
Name	OJ990318_07.9C03.C4.o1.gp	Method	AAT/GAP
Start	381	End	869
GI	LIB3431-012-P1-K1-E8	Score	916
Exons	381..869		
GI Descrip.	'1172874/sp|Q08298|RD22_ARATH 2.0e-21 DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR >gi_479589_pir__S34823 dehydration-induced protein RD22 - Arabidopsis thaliana		

>gi_391608_dbj_BAA01546_ (D10703) rd22 [Arabidopsis thaliana]
>gi_447134_prf__1913421A rd22 gene [Arabidopsis thaliana]'

Seq. No.	36898	Seq. ID	OJ990318_07.9C03.C4
Gene No.	75932	Strand	+
Start	1	End	1045
Name	OJ990318_07.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	431	End	1045
GI	none	Score	291
Exons	431..694, 432..731, 755..838, 768..839, 783..839, 839..1030, 840..1031, 840..1031, 923..1045		

Seq. No.	36898	Seq. ID	OJ990318_07.9C03.C4
Gene No.	75932	Strand	+
Start	1	End	1045
Name	OJ990318_07.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	443	End	755
GI	none	Score	51
Exons	443..505, 444..692, 444..683, 446..691, 708..755		

Seq. No.	36898	Seq. ID	OJ990318_07.9C03.C4
Gene No.	75932	Strand	+
Start	1	End	1045
Name	OJ990318_07.9C03.C4.o2.tw	Method	TBLASTX:Wheat
Start	758	End	1022
GI	none	Score	77
Exons	758..994, 777..830, 870..1022, 882..1019		

Seq. No.	36899	Seq. ID	OJ990318_07.9C03.C5
Gene No.	75933	Strand	-
Start	1	End	883
Name	OJ990318_07.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	883
GI	4680179	Score	377
Exons	1..441, 677..883		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36899	Seq. ID	OJ990318_07.9C03.C5
Gene No.	75933	Strand	-
Start	1	End	883
Name	OJ990318_07.9C03.C5.o1.gs	Method	GENSCAN
Start	24	End	823
GI	none	Score	6
Exons	24..823		

Seq. No.	36899	Seq. ID	OJ990318_07.9C03.C5
Gene No.	75933	Strand	-
Start	1	End	883
Name	OJ990318_07.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	81	End	458
GI	none	Score	266
Exons	81..458		

Seq. No.	36900	Seq. ID	OJ990318_07.9C03.C6
Gene No.	75934	Strand	+
Start	641	End	817
Name	OJ990318_07.9C03.C6.o1.gp	Method	AAT/GAP

Start	641	End	817
GI	15870_2.R1084	Score	275
Exons	641..817		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	36901	Seq. ID	OJ990318_07.9C03.C7
Gene No.	75935	Strand	-
Start	2321	End	5337
Name	OJ990318_07.9C03.C7.o1.np	Method	AAT/NAP
Start	2257	End	5337
GI	6721512	Score	120
Exons	2257..2289, 3770..3831, 3874..3996, 4035..4151, 5264..5337		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36901	Seq. ID	OJ990318_07.9C03.C7
Gene No.	75935	Strand	-
Start	2321	End	5337
Name	OJ990318_07.9C03.C7.o1.gs	Method	GENSCAN
Start	2321	End	2599
GI	none	Score	.75
Exons	2321..2599		

Seq. No.	36901	Seq. ID	OJ990318_07.9C03.C7
Gene No.	75935	Strand	-
Start	2321	End	5337
Name	OJ990318_07.9C03.C7.o1.gp	Method	AAT/GAP
Start	2637	End	3062
GI	LIB3434-038-P1-K1-F1	Score	534
Exons	2637..3062		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36901	Seq. ID	OJ990318_07.9C03.C7
Gene No.	75935	Strand	-
Start	2321	End	5337
Name	OJ990318_07.9C03.C7.o2.gs	Method	GENSCAN
Start	3537	End	4182
GI	none	Score	.78
Exons	3537..3688, 3770..3831, 3878..4182		

Seq. No.	36902	Seq. ID	OJ990318_07.9C03.C8
Gene No.	75936	Strand	+
Start	757	End	1016
Name	OJ990318_07.9C03.C8.o1.gs	Method	GENSCAN
Start	757	End	1016
GI	none	Score	.91
Exons	757..1016		

Seq. No.	36902	Seq. ID	OJ990318_07.9C03.C8
Gene No.	75937	Strand	-
Start	1376	End	1729
Name	OJ990318_07.9C03.C8.o2.gs	Method	GENSCAN
Start	1376	End	1544
GI	none	Score	.95
Exons	1376..1544		

Seq. No.	36902	Seq. ID	OJ990318_07.9C03.C8
Gene No.	75937	Strand	-
Start	1376	End	1729
Name	OJ990318_07.9C03.C8.o1.np	Method	AAT/NAP
Start	1382	End	1729
GI	2992160	Score	193
Exons	1382..1544, 1684..1729		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75938	Strand	+
Start	24	End	767
Name	OJ990318_07.9C03.C9.o1.gs	Method	GENSCAN
Start	24	End	767
GI	none	Score	.88
Exons	24..98, 624..767		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75939	Strand	-
Start	868	End	1762
Name	OJ990318_07.9C03.C9.o2.gs	Method	GENSCAN
Start	868	End	1752
GI	none	Score	.8
Exons	868..1752		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75939	Strand	-
Start	868	End	1762
Name	OJ990318_07.9C03.C9.o1.np	Method	AAT/NAP
Start	871	End	1762
GI	5295971	Score	919
Exons	871..1762		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75939	Strand	-
Start	868	End	1762
Name	OJ990318_07.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	880	End	1539
GI	none	Score	52
Exons	880..1116, 950..1078, 1042..1257, 1168..1368, 1169..1348, 1369..1539		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75939	Strand	-
Start	868	End	1762
Name	OJ990318_07.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	887	End	1570
GI	none	Score	87
Exons	887..1111, 895..1119, 1168..1266, 1169..1267, 1264..1569, 1265..1339, 1388..1570		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75939	Strand	-
Start	868	End	1762

Name	OJ990318_07.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	901	End	1165
GI	none	Score	144
Exons	901..1125, 902..1123, 977..1165		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75939	Strand	-
Start	868	End	1762
Name	OJ990318_07.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	934	End	1347
GI	none	Score	70
Exons	934..1107, 1168..1347, 1172..1243		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75939	Strand	-
Start	868	End	1762
Name	OJ990318_07.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	1168	End	1609
GI	none	Score	284
Exons	1168..1569, 1175..1609		

Seq. No.	36903	Seq. ID	OJ990318_07.9C03.C9
Gene No.	75939	Strand	-
Start	868	End	1762
Name	OJ990318_07.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	1387	End	1740
GI	none	Score	99
Exons	1387..1560, 1585..1740		

Seq. No.	36904	Seq. ID	OJ990318_07.9C03.C10
Gene No.	75940	Strand	-
Start	1	End	638
Name	OJ990318_07.9C03.C10.o1.np	Method	AAT/NAP
Start	1	End	638
GI	5295971	Score	673
Exons	1..638		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	36904	Seq. ID	OJ990318_07.9C03.C10
Gene No.	75940	Strand	-
Start	1	End	638
Name	OJ990318_07.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	18	End	341
GI	none	Score	52
Exons	18..341, 28..87, 124..330		

Seq. No.	36904	Seq. ID	OJ990318_07.9C03.C10
Gene No.	75940	Strand	-
Start	1	End	638
Name	OJ990318_07.9C03.C10.o1.gs	Method	GENSCAN
Start	24	End	562
GI	none	Score	.58
Exons	24..562		

Seq. No.	36904	Seq. ID	OJ990318_07.9C03.C10

Gene No.	75940	Strand	-
Start	1	End	638
Name	OJ990318_07.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	27	End	317
GI	none	Score	127
Exons	27..317, 58..288, 60..317		

Seq. No.	36904	Seq. ID	OJ990318_07.9C03.C10
Gene No.	75940	Strand	-
Start	1	End	638
Name	OJ990318_07.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	90	End	548
GI	none	Score	62
Exons	90..548, 100..276		

Seq. No.	36904	Seq. ID	OJ990318_07.9C03.C10
Gene No.	75940	Strand	-
Start	1	End	638
Name	OJ990318_07.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	357	End	638
GI	none	Score	186
Exons	357..638, 510..590		

Seq. No.	36905	Seq. ID	OJ990318_07.9C03.C12
Gene No.	75941	Strand	+
Start	1	End	208
Name	OJ990318_07.9C03.C12.o1.gp	Method	AAT/GAP
Start	1	End	208
GI	38782_1.R1084	Score	362
Exons	1..208		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	36905	Seq. ID	OJ990318_07.9C03.C12
Gene No.	75941	Strand	+
Start	1	End	208
Name	OJ990318_07.9C03.C12.o1.gs	Method	GENSCAN
Start	72	End	145
GI	none	Score	.93
Exons	72..145		

Seq. No.	36906	Seq. ID	OJ990318_07.9C03.C16
Gene No.	75942	Strand	-
Start	333	End	784
Name	OJ990318_07.9C03.C16.o1.gs	Method	GENSCAN
Start	333	End	784
GI	none	Score	.53
Exons	333..370, 753..784		

Seq. No.	36907	Seq. ID	OJ990318_07.9C03.C18
Gene No.	75943	Strand	+
Start	400	End	489
Name	OJ990318_07.9C03.C18.o1.gs	Method	GENSCAN
Start	400	End	489
GI	none	Score	.95
Exons	400..489		

Seq. No.	36908	Seq. ID	OJ990318_07.9C03.C20
Gene No.	75944	Strand	+
Start	882	End	1659
Name	OJ990318_07.9C03.C20.o1.gs	Method	GENSCAN
Start	882	End	1373
GI	none	Score	.94
Exons	882..891, 1300..1373		

Seq. No.	36908	Seq. ID	OJ990318_07.9C03.C20
Gene No.	75944	Strand	+
Start	882	End	1659
Name	OJ990318_07.9C03.C20.o1.gp	Method	AAT/GAP
Start	1165	End	1659
GI	38782_1.R1084	Score	812
Exons	1165..1659		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	36908	Seq. ID	OJ990318_07.9C03.C20
Gene No.	75945	Strand	+
Start	1817	End	2740
Name	OJ990318_07.9C03.C20.o2.gs	Method	GENSCAN
Start	1817	End	2740
GI	none	Score	.71
Exons	1817..2740		

Seq. No.	36908	Seq. ID	OJ990318_07.9C03.C20
Gene No.	75945	Strand	+
Start	1817	End	2740
Name	OJ990318_07.9C03.C20.o2.np	Method	AAT/NAP
Start	1956	End	2737
GI	6002794	Score	1258
Exons	1956..2737		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	36908	Seq. ID	OJ990318_07.9C03.C20
Gene No.	75946	Strand	-
Start	1	End	818
Name	OJ990318_07.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	818
GI	6907088	Score	536
Exons	1..124, 267..505, 681..818		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o1.np	Method	AAT/NAP
Start	1	End	4532
GI	4680179	Score	4535
Exons	1..1012, 1115..4532		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o8.tw	Method	TBLASTX:Wheat

Start	175	End	552
GI	none	Score	266
Exons	175..552		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o6.tm	Method	TBLASTX:Maize
Start	433	End	834
GI	none	Score	240
Exons	433..834		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o7.tm	Method	TBLASTX:Maize
Start	1143	End	1467
GI	none	Score	206
Exons	1143..1256, 1144..1467		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o7.tw	Method	TBLASTX:Wheat
Start	1150	End	1554
GI	none	Score	166
Exons	1150..1371, 1150..1203, 1194..1304, 1380..1499, 1384..1554		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o8.tm	Method	TBLASTX:Maize
Start	1567	End	1764
GI	none	Score	201
Exons	1567..1764, 1617..1763		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o4.tw	Method	TBLASTX:Wheat
Start	1695	End	2178
GI	none	Score	524
Exons	1695..2147, 1696..2178		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o3.tm	Method	TBLASTX:Maize
Start	1765	End	2232
GI	none	Score	383
Exons	1765..2232, 1837..2013		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o2.np	Method	AAT/NAP
Start	1987	End	7384

GI	5777623	Score	1230
Exons	1987..2027, 5015..5196, 5446..5601, 5779..6272, 7087..7384		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o1.ts	Method	TBLASTX:Soybean
Start	2119	End	2514
GI	none	Score	56
Exons	2119..2151, 2119..2151, 2155..2514, 2271..2486		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o6.tw	Method	TBLASTX:Wheat
Start	2227	End	2523
GI	none	Score	349
Exons	2227..2523, 2271..2486		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o5.tm	Method	TBLASTX:Maize
Start	2248	End	2595
GI	none	Score	292
Exons	2248..2595, 2280..2450		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o2.tw	Method	TBLASTX:Wheat
Start	2530	End	2955
GI	none	Score	592
Exons	2530..2955, 2538..2903, 2587..2940, 2591..2953		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o3.ts	Method	TBLASTX:Soybean
Start	2536	End	2781
GI	none	Score	202
Exons	2536..2781		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o2.tm	Method	TBLASTX:Maize
Start	2602	End	2955
GI	none	Score	461
Exons	2602..2955, 2604..2918		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o3.tw	Method	TBLASTX:Wheat
Start	2998	End	3522

GI	none	Score	580
Exons	2998..3522, 3150..3518		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o1.tc	Method	TBLASTX:Cress
Start	3229	End	3546
GI	none	Score	101
Exons	3229..3402, 3250..3402, 3403..3546, 3405..3530		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o2.ts	Method	TBLASTX:Soybean
Start	3315	End	3569
GI	none	Score	288
Exons	3315..3569, 3322..3567		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o4.tm	Method	TBLASTX:Maize
Start	3370	End	3660
GI	none	Score	362
Exons	3370..3660, 3381..3656		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o1.tw	Method	TBLASTX:Wheat
Start	3529	End	4155
GI	none	Score	672
Exons	3529..4155, 3585..4031, 3634..4104		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	3708	End	4305
GI	none	Score	79
Exons	3708..3860, 3712..3870, 3717..3863, 3868..4305, 3868..4137, 4086..4295, 4210..4305		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o5.tw	Method	TBLASTX:Wheat
Start	4155	End	4488
GI	none	Score	372
Exons	4155..4424, 4156..4488, 4318..4467		

Seq. No.	36909	Seq. ID	OJ990318_07.9C03.C21
Gene No.	75947	Strand	+
Start	1	End	7384
Name	OJ990318_07.9C03.C21.o9.tm	Method	TBLASTX:Maize
Start	4315	End	4473

GI	none	Score	188
Exons	4315..4473		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75948	Strand	+
Start	334	End	6260
Name	OJ990318_07.9C03.C22.o1.gp	Method	AAT/GAP
Start	334	End	847
GI	38782_1.R1084	Score	769
Exons	334..847		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75948	Strand	+
Start	334	End	6260
Name	OJ990318_07.9C03.C22.o1.gs	Method	GENSCAN
Start	468	End	6260
GI	none	Score	.48
Exons	468..516, 2870..3049, 4705..4785, 4963..5035, 5543..5713, 6180..6260		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75948	Strand	+
Start	334	End	6260
Name	OJ990318_07.9C03.C22.o2.gp	Method	AAT/GAP
Start	5083	End	5480
GI	uC-osflcyp172a09a1	Score	595
Exons	5083..5480		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75949	Strand	+
Start	12122	End	13429
Name	OJ990318_07.9C03.C22.o3.gs	Method	GENSCAN
Start	12122	End	13372
GI	none	Score	.71
Exons	12122..12662, 12875..13002, 13169..13372		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75949	Strand	+
Start	12122	End	13429
Name	OJ990318_07.9C03.C22.o3.np	Method	AAT/NAP
Start	12809	End	13429
GI	5902445	Score	526
Exons	12809..13429		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75950	Strand	-
Start	3125	End	5746
Name	OJ990318_07.9C03.C22.o1.np	Method	AAT/NAP
Start	3125	End	5746
GI	5922623	Score	193
Exons	3125..3212, 4806..4881, 5049..5202, 5661..5746		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o2.gs	Method	GENSCAN
Start	6793	End	11439
GI	none	Score	.84
Exons	6793..6860, 6998..7083, 7321..7381, 7788..7968, 8084..8173, 8612..8694, 9329..9465, 9702..9815, 10046..10124, 10424..10594, 11370..11439		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o2.np	Method	AAT/NAP
Start	7732	End	12594
GI	4581150	Score	1021
Exons	7732..7883, 8080..8185, 8633..8694, 8775..8874, 8960..9081, 9166..9237, 9329..9434, 9535..9601, 9702..9815, 10046..10124, 10433..10594, 11370..11502, 12109..12266, 12418..12594		
GI Descrip.	(AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o1.tm	Method	TBLASTX:Maize
Start	8083	End	9353
GI	none	Score	79
Exons	8083..8172, 8084..8173, 8084..8173, 8612..8689, 8612..8656, 8616..8696, 8643..8687, 8773..8916, 8775..8903, 8776..8916, 8983..9012, 8987..9019, 9020..9091, 9027..9092, 9027..9092, 9028..9093, 9161..9235, 9176..9238, 9177..9239, 9178..9240, 9326..9352, 9328..9351, 9330..9353		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o3.gp	Method	AAT/GAP
Start	8574	End	9215
GI	2428646	Score	614
Exons	8574..8694, 8775..8902, 8982..9091, 9179..9215		
GI Descrip.	4581150/gb|AAD24634.1|AC006919_12 1.0e-12 (AC006919) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o1.ts	Method	TBLASTX:Soybean
Start	8782	End	10119
GI	none	Score	88
Exons	8782..8835, 8987..9091, 9010..9093, 9176..9238, 9177..9242, 9333..9446, 9334..9444, 9520..9609, 9520..9603, 9701..9817, 9702..9815, 10045..10119		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22

Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o1.tc	Method	TBLASTX:Cress
Start	9034	End	11505
GI	none	Score	105
Exons	9034..9057, 9182..9238, 9333..9449, 9334..9456, 9526..9606, 9701..9817, 11368..11505		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o3.tm	Method	TBLASTX:Maize
Start	9354	End	10116
GI	none	Score	96
Exons	9354..9437, 9354..9476, 9355..9456, 9526..9606, 9533..9595, 9679..9792, 9701..9814, 9702..9815, 9702..9818, 10041..10109, 10045..10116, 10048..10110		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o2.ts	Method	TBLASTX:Soybean
Start	10413	End	12268
GI	none	Score	73
Exons	10413..10595, 10428..10601, 10432..10602, 11366..11503, 11368..11505, 12103..12267, 12104..12268		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o4.tm	Method	TBLASTX:Maize
Start	10422	End	12271
GI	none	Score	141
Exons	10422..10601, 10423..10602, 11364..11447, 11366..11494, 11368..11505, 11368..11490, 11369..11491, 12103..12267, 12104..12271		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75951	Strand	-
Start	6793	End	12594
Name	OJ990318_07.9C03.C22.o2.tc	Method	TBLASTX:Cress
Start	12107	End	12271
GI	none	Score	120
Exons	12107..12271, 12109..12267		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75952	Strand	
Start	12865	End	13243
Name	OJ990318_07.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	12865	End	13213
GI	none	Score	218
Exons	12865..13074, 12873..13073, 12874..13074, 13054..13212, 13094..13213		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75952	Strand	
Start	12865	End	13243

Name	OJ990318_07.9C03.C22.o2.tm	Method	TBLASTX:Maize
Start	12886	End	13243
GI	none	Score	204
Exons	12886..13086, 12928..13080, 13054..13215, 13094..13243		

Seq. No.	36910	Seq. ID	OJ990318_07.9C03.C22
Gene No.	75953	Strand	
Start	13214	End	13416
Name	OJ990318_07.9C03.C22.o2.tw	Method	TBLASTX:Wheat
Start	13214	End	13416
GI	none	Score	206
Exons	13214..13408, 13240..13287, 13241..13411, 13312..13416		

Seq. No.	36911	Seq. ID	OJ990318_07.9C03.C23
Gene No.	75954	Strand	+
Start	163	End	6536
Name	OJ990318_07.9C03.C23.o1.gs	Method	GENSCAN
Start	163	End	6536
GI	none	Score	.41
Exons	163..309, 314..543, 1949..2086, 2475..2711, 2873..3042, 3644..3768, 5048..5179, 6412..6536		

Seq. No.	36911	Seq. ID	OJ990318_07.9C03.C23
Gene No.	75954	Strand	+
Start	163	End	6536
Name	OJ990318_07.9C03.C23.o1.gp	Method	AAT/GAP
Start	272	End	392
GI	uC-osf1M202081b05b1	Score	195
Exons	272..392		
GI Descrip.	'4581150/gb|AAD24634.1|AC006919_12 1.0e-12 (AC006919) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	36911	Seq. ID	OJ990318_07.9C03.C23
Gene No.	75954	Strand	+
Start	163	End	6536
Name	OJ990318_07.9C03.C23.o2.gp	Method	AAT/GAP
Start	650	End	1120
GI	3106574	Score	543
Exons	650..816, 901..970, 1039..1120		

Seq. No.	36911	Seq. ID	OJ990318_07.9C03.C23
Gene No.	75954	Strand	+
Start	163	End	6536
Name	OJ990318_07.9C03.C23.o4.gp	Method	AAT/GAP
Start	4451	End	4946
GI	none	Score	933
Exons	4451..4946		

Seq. No.	36912	Seq. ID	OJ990318_07.9C03.C24
Gene No.	75955	Strand	-
Start	1660	End	1756
Name	OJ990318_07.9C03.C24.o1.gs	Method	GENSCAN
Start	1660	End	1756
GI	none	Score	.52
Exons	1660..1756		

Seq. No.	36913	Seq. ID	OJ990318_07.9C03.C25

Gene No.	75956	Strand	-
Start	75	End	503
Name	OJ990318_07.9C03.C25.o1.gs	Method	GENSCAN
Start	75	End	503
GI	none	Score	.51
Exons	75..287, 431..503		

Seq. No.	36913	Seq. ID	OJ990318_07.9C03.C25
Gene No.	75957	Strand	-
Start	1229	End	1830
Name	OJ990318_07.9C03.C25.o1.np	Method	AAT/NAP
Start	1229	End	1830
GI	5852093	Score	58
Exons	1229..1341, 1808..1830		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	36914	Seq. ID	OJ990318_07.9C03.C26
Gene No.	75958	Strand	-
Start	1596	End	2070
Name	OJ990318_07.9C03.C26.o1.gp	Method	AAT/GAP
Start	1596	End	2070
GI	LIB3432-059-P1-K1-D8	Score	730
Exons	1596..2070		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	36915	Seq. ID	OJ990318_07.9C03.C28
Gene No.	75959	Strand	-
Start	142	End	672
Name	OJ990318_07.9C03.C28.o1.gs	Method	GENSCAN
Start	142	End	672
GI	none	Score	.99
Exons	142..292, 391..672		

Seq. No.	36916	Seq. ID	OJ990318_07.9C03.C30
Gene No.	75960	Strand	+
Start	59	End	539
Name	OJ990318_07.9C03.C30.o1.gs	Method	GENSCAN
Start	59	End	539
GI	none	Score	.59
Exons	59..539		

Seq. No.	36917	Seq. ID	OJ990318_07.9C03.C33
Gene No.	75961	Strand	+
Start	224	End	652
Name	OJ990318_07.9C03.C33.o1.gs	Method	GENSCAN
Start	224	End	652
GI	none	Score	.41
Exons	224..249, 523..652		

Seq. No.	36917	Seq. ID	OJ990318_07.9C03.C33
Gene No.	75961	Strand	+
Start	224	End	652
Name	OJ990318_07.9C03.C33.o1.np	Method	AAT/NAP
Start	390	End	504
GI	6721512	Score	32
Exons	390..504		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	36918	Seq. ID	OJ990318_07.9C03.C34
Gene No.	75962	Strand	+
Start	1	End	958
Name	OJ990318_07.9C03.C34.o1.np	Method	AAT/NAP
Start	1	End	958
GI	2501764	Score	313
Exons	1..147, 705..958		

GI Descrip. (U69173) calmodulin-like domain protein kinase isoenzyme beta [Glycine max]

Seq. No.	36918	Seq. ID	OJ990318_07.9C03.C34
Gene No.	75962	Strand	+
Start	1	End	958
Name	OJ990318_07.9C03.C34.o1.ts	Method	TBLASTX:Soybean
Start	57	End	874
GI	none	Score	143
Exons	57..140, 58..150, 62..148, 699..872, 728..874, 756..872		

Seq. No.	36918	Seq. ID	OJ990318_07.9C03.C34
Gene No.	75962	Strand	+
Start	1	End	958
Name	OJ990318_07.9C03.C34.o1.gs	Method	GENSCAN
Start	58	End	872
GI	none	Score	.98
Exons	58..147, 705..872		

Seq. No.	36918	Seq. ID	OJ990318_07.9C03.C34
Gene No.	75962	Strand	+
Start	1	End	958
Name	OJ990318_07.9C03.C34.o1.tc	Method	TBLASTX:Cress
Start	60	End	872
GI	none	Score	125
Exons	60..140, 61..150, 699..872, 756..872		

Seq. No.	36918	Seq. ID	OJ990318_07.9C03.C34
Gene No.	75962	Strand	+
Start	1	End	958
Name	OJ990318_07.9C03.C34.o1.gp	Method	AAT/GAP
Start	100	End	872
GI	15651_1.R1084	Score	337
Exons	100..147, 705..872		

GI Descrip. '116054/sp|P28583|CDPK_SOYBN 4.0e-72 CALCIUM-DEPENDENT PROTEIN KINASE SK5 (CDPK) >gi_280393_pir__A43713 calcium-dependent protein kinase (EC 2.7.1.-) - soybean >gi_169931 (M64987) Glycine max calcium dependent protein kinase mRNA. [Glycine max]'

Seq. No.	36918	Seq. ID	OJ990318_07.9C03.C34
Gene No.	75962	Strand	+
Start	1	End	958
Name	OJ990318_07.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	672	End	860
GI	none	Score	255
Exons	672..860, 675..860		

Seq. No.	36919	Seq. ID	OJ990318_07.9C03.C36
Gene No.	75963	Strand	-
Start	1	End	1016
Name	OJ990318_07.9C03.C36.o1.np	Method	AAT/NAP
Start	1	End	773
GI	5902448	Score	116
Exons	1..30, 437..773		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	36919	Seq. ID	OJ990318_07.9C03.C36
Gene No.	75963	Strand	-
Start	1	End	1016
Name	OJ990318_07.9C03.C36.o1.gs	Method	GENSCAN
Start	343	End	1016
GI	none	Score	.68
Exons	343..622, 647..826, 878..1016		

Seq. No.	36920	Seq. ID	OJ990318_07.9C03.C37
Gene No.	75964	Strand	+
Start	54	End	156
Name	OJ990318_07.9C03.C37.o1.gs	Method	GENSCAN
Start	54	End	156
GI	none	Score	1
Exons	54..156		

Seq. No.	36921	Seq. ID	OJ990318_07.9C03.C38
Gene No.	75965	Strand	+
Start	488	End	948
Name	OJ990318_07.9C03.C38.o1.gs	Method	GENSCAN
Start	488	End	636
GI	none	Score	.91
Exons	488..636		

Seq. No.	36921	Seq. ID	OJ990318_07.9C03.C38
Gene No.	75965	Strand	+
Start	488	End	948
Name	OJ990318_07.9C03.C38.o1.gp	Method	AAT/GAP
Start	520	End	948
GI	94945_1.R1084	Score	582
Exons	520..948		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 1.0e-132 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	36922	Seq. ID	OJ990318_07.9C03.C39
Gene No.	75966	Strand	-
Start	8	End	557
Name	OJ990318_07.9C03.C39.o1.gs	Method	GENSCAN
Start	8	End	557
GI	none	Score	.43
Exons	8..108, 416..557		

Seq. No.	36923	Seq. ID	OJ990318_07.9C03.C42
Gene No.	75967	Strand	+
Start	60	End	632
Name	OJ990318_07.9C03.C42.o1.gs	Method	GENSCAN
Start	60	End	632
GI	none	Score	.97

Exons	60..632		
Seq. No.	36924	Seq. ID	OJ990318_07.9C03.C46
Gene No.	75968	Strand	+
Start	99	End	1158
Name	OJ990318_07.9C03.C46.o1.gs	Method	GENSCAN
Start	99	End	1158
GI	none	Score	.84
Exons	99..237, 626..822, 1048..1158		
Seq. No.	36925	Seq. ID	OJ990318_07.9C03.C47
Gene No.	75969	Strand	+
Start	16	End	1345
Name	OJ990318_07.9C03.C47.o1.gs	Method	GENSCAN
Start	16	End	1345
GI	none	Score	.4
Exons	16..1345		
Seq. No.	36926	Seq. ID	OJ990318_07.9C03.C48
Gene No.	75970	Strand	+
Start	7	End	1474
Name	OJ990318_07.9C03.C48.o1.gs	Method	GENSCAN
Start	7	End	1474
GI	none	Score	.85
Exons	7..55, 643..1055, 1094..1474		
Seq. No.	36926	Seq. ID	OJ990318_07.9C03.C48
Gene No.	75971	Strand	-
Start	2413	End	3762
Name	OJ990318_07.9C03.C48.o2.gs	Method	GENSCAN
Start	2413	End	3762
GI	none	Score	.55
Exons	2413..2470, 3743..3762		
Seq. No.	36926	Seq. ID	OJ990318_07.9C03.C48
Gene No.	75972	Strand	-
Start	5104	End	5378
Name	OJ990318_07.9C03.C48.o2.tm	Method	TBLASTX:Maize
Start	1	End	833
GI	none	Score	64
Exons	1..54, 4..54, 642..833, 651..818, 671..823		
Seq. No.	36926	Seq. ID	OJ990318_07.9C03.C48
Gene No.	75972	Strand	-
Start	5104	End	5378
Name	OJ990318_07.9C03.C48.o1.ts	Method	TBLASTX:Soybean
Start	777	End	1274
GI	none	Score	52
Exons	777..806, 927..1055, 1164..1274, 1181..1273		
Seq. No.	36926	Seq. ID	OJ990318_07.9C03.C48
Gene No.	75972	Strand	-
Start	5104	End	5378
Name	OJ990318_07.9C03.C48.o1.tm	Method	TBLASTX:Maize
Start	870	End	1440
GI	none	Score	41
Exons	870..899, 873..908, 909..1061, 926..1060, 1176..1259,		

1179..1295, 1181..1285, 1351..1383, 1375..1440

Seq. No.	36926	Seq. ID	OJ990318_07.9C03.C48
Gene No.	75972	Strand	-
Start	5104	End	5378
Name	OJ990318_07.9C03.C48.o3.gs	Method	GENSCAN
Start	5104	End	5378
GI	none	Score	.49
Exons	5104..5137, 5332..5378		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75973	Strand	+
Start	849	End	1072
Name	OJ990318_07.9C03.C49.o1.np	Method	AAT/NAP
Start	849	End	1072
GI	2130158	Score	142
Exons	849..1072		
GI Descrip.	hypothetical protein 75 - maize chloroplast gi|902262|emb|CAA60327| (X86563) ORF75 [Zea mays] gi|902309|emb|CAA60373| (X86563) ORF75 [Zea mays]		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75974	Strand	+
Start	1366	End	4240
Name	OJ990318_07.9C03.C49.o1.gp	Method	AAT/GAP
Start	1366	End	2096
GI	none	Score	1238
Exons	1366..1907, 1998..2096		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75974	Strand	+
Start	1366	End	4240
Name	OJ990318_07.9C03.C49.o1.gs	Method	GENSCAN
Start	1809	End	4237
GI	none	Score	.94
Exons	1809..1907, 1973..2671, 3629..3772, 3859..4011, 4122..4237		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75974	Strand	+
Start	1366	End	4240
Name	OJ990318_07.9C03.C49.o2.tw	Method	TBLASTX:Wheat
Start	2011	End	4010
GI	none	Score	52
Exons	2011..2082, 2623..2673, 2625..2672, 2630..2674, 3613..3771, 3627..3797, 3834..4010, 3851..4009		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75974	Strand	+
Start	1366	End	4240
Name	OJ990318_07.9C03.C49.o2.np	Method	AAT/NAP
Start	2107	End	4237
GI	116054	Score	1193
Exons	2107..2671, 3629..3772, 3859..4011, 4122..4237		
GI Descrip.	CALCIUM-DEPENDENT PROTEIN KINASE SK5 (CDPK) gi|280393|pir||A43713 calcium-dependent protein kinase (EC 2.7.1.-) - soybean gi|169931 (M64987) Glycine max calcium dependent protein kinase mRNA. [Glycine max]		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75974	Strand	+
Start	1366	End	4240
Name	OJ990318_07.9C03.C49.o1.tc	Method	TBLASTX:Cress
Start	2167	End	4240
GI	none	Score	731
Exons	2167..2673, 2169..2690, 3613..3771, 3627..3788, 3651..3773, 3848..4009, 3855..4013, 3855..4016, 4123..4230, 4124..4240		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75974	Strand	+
Start	1366	End	4240
Name	OJ990318_07.9C03.C49.o1.ts	Method	TBLASTX:Soybean
Start	2169	End	4240
GI	none	Score	714
Exons	2169..2690, 2170..2673, 3613..3771, 3627..3770, 3851..4006, 3855..4010, 3858..4016, 3877..4017, 4124..4240, 4126..4230, 4128..4235		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75974	Strand	+
Start	1366	End	4240
Name	OJ990318_07.9C03.C49.o1.tm	Method	TBLASTX:Maize
Start	2170	End	4240
GI	none	Score	593
Exons	2170..2673, 2184..2672, 3613..3771, 3615..3770, 3637..3771, 3848..4009, 3855..4010, 4100..4240, 4126..4230		

Seq. No.	36927	Seq. ID	OJ990318_07.9C03.C49
Gene No.	75974	Strand	+
Start	1366	End	4240
Name	OJ990318_07.9C03.C49.o1.tw	Method	TBLASTX:Wheat
Start	2335	End	2622
GI	none	Score	379
Exons	2335..2622, 2341..2577, 2352..2621		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75975	Strand	+
Start	1	End	7918
Name	OJ990318_07.9C03.C50.o1.np	Method	AAT/NAP
Start	1	End	969
GI	116054	Score	596
Exons	1..263, 513..737, 824..969		
GI Descrip.	CALCIUM-DEPENDENT PROTEIN KINASE SK5 (CDPK) gi|280393|pir||A43713 calcium-dependent protein kinase (EC 2.7.1.-) - soybean gi|169931 (M64987) Glycine max calcium dependent protein kinase mRNA. [Glycine max]		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75975	Strand	+
Start	1	End	7918
Name	OJ990318_07.9C03.C50.o1.gp	Method	AAT/GAP
Start	92	End	1278
GI	15651_1.R1084	Score	1608
Exons	92..263, 513..737, 824..1278		
GI Descrip.	'116054/sp|P28583|CDPK_SOYBN 4.0e-72 CALCIUM-DEPENDENT PROTEIN		

KINASE SK5 (CDPK) >gi_280393_pir__A43713 calcium-dependent protein kinase (EC 2.7.1.-) - soybean >gi_169931 (M64987) Glycine max calcium dependent protein kinase mRNA. [Glycine max]'

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75975	Strand	+
Start	1	End	7918
Name	OJ990318_07.9C03.C50.o1.gs	Method	GENSCAN
Start	96	End	7552
GI	none	Score	.51
Exons	96..263, 513..737, 824..926, 1778..3075, 3309..3419, 4467..4754, 5078..5182, 5814..6083, 6260..6369, 6474..6564, 6666..6935, 7274..7552		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75975	Strand	+
Start	1	End	7918
Name	OJ990318_07.9C03.C50.o2.gp	Method	AAT/GAP
Start	4961	End	7918
GI	783_2.R1084	Score	3060
Exons	4961..5182, 5814..6083, 6260..6369, 6474..6564, 6666..6935, 7274..7918		
GI Descrip.	'3913018/sp|Q40677|ALFC_ORYSA 0.0e+00 FRUCTOSE-BISPHOSPHATE ALDOLASE, CHLOROPLAST PRECURSOR (ALDP) >gi_218155_dbj_BAA02730_ (D13513) chloroplastic aldolase [Oryza sativa]'		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75975	Strand	+
Start	1	End	7918
Name	OJ990318_07.9C03.C50.o2.np	Method	AAT/NAP
Start	5036	End	7549
GI	3913018	Score	1827
Exons	5036..5182, 5814..6083, 6260..6369, 6474..6564, 6666..6935, 7274..7549		
GI Descrip.	FRUCTOSE-BISPHOSPHATE ALDOLASE, CHLOROPLAST PRECURSOR (ALDP) gi|218155|dbj|BAA02730| (D13513) chloroplastic aldolase [Oryza sativa]		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o2.tc	Method	TBLASTX:Cress
Start	90	End	925
GI	none	Score	188
Exons	90..263, 512..736, 512..673, 513..737, 621..767, 821..892, 824..880, 834..893, 847..903, 860..925		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o2.ts	Method	TBLASTX:Soybean
Start	90	End	895
GI	none	Score	237
Exons	90..263, 90..257, 203..262, 512..670, 513..737, 516..737, 821..895, 824..880		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o3.tw	Method	TBLASTX:Wheat
Start	174	End	880
GI	none	Score	82
Exons	174..263, 510..560, 512..673, 513..737, 514..714, 516..767, 824..880		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o2.tm	Method	TBLASTX:Maize
Start	180	End	1007
GI	none	Score	81
Exons	180..263, 183..260, 193..276, 512..673, 513..737, 514..738, 821..988, 824..988, 831..1001, 831..1007		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o3.tc	Method	TBLASTX:Cress
Start	2631	End	3024
GI	none	Score	238
Exons	2631..2843, 2635..2868, 2866..3021, 2893..3024		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o3.tm	Method	TBLASTX:Maize
Start	3020	End	3405
GI	none	Score	154
Exons	3020..3193, 3021..3191, 3021..3215, 3022..3192, 3205..3279, 3212..3280, 3216..3284, 3319..3387, 3358..3405		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o1.tm	Method	TBLASTX:Maize
Start	5033	End	7552
GI	none	Score	216
Exons	5033..5182, 5035..5181, 5036..5185, 5813..6082, 5814..6083, 5835..6083, 6257..6370, 6258..6371, 6259..6387, 6259..6369, 6463..6558, 6474..6560, 6475..6564, 6665..6934, 6666..6935, 7268..7552, 7273..7422, 7376..7552		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o1.ts	Method	TBLASTX:Soybean
Start	5033	End	7552
GI	none	Score	54
Exons	5033..5089, 5132..5182, 5814..6083, 5816..6082, 5827..6084, 5838..6083, 6257..6370, 6259..6369, 6463..6564, 6474..6566, 6475..6564, 6662..6934, 6663..6935, 6665..6925, 6666..6935, 7268..7552, 7273..7425		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o2.tw	Method	TBLASTX:Wheat
Start	5800	End	6065
GI	none	Score	344
Exons	5800..5928, 5813..6064, 5814..6065		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o1.tc	Method	TBLASTX:Cress
Start	5814	End	7558
GI	none	Score	418
Exons	5814..6083, 5816..6082, 5832..6083, 5852..6097, 6257..6370, 6259..6369, 6474..6560, 6475..6564, 6665..6946, 6666..6935, 7276..7293, 7294..7410, 7295..7411, 7415..7486, 7442..7480, 7490..7558		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o1.tw	Method	TBLASTX:Wheat
Start	6257	End	7507
GI	none	Score	180
Exons	6257..6370, 6259..6369, 6474..6566, 6475..6564, 6662..6925, 6666..6926, 6914..6934, 6915..6935, 7268..7507, 7273..7419, 7442..7480		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o4.tm	Method	TBLASTX:Maize
Start	9462	End	9877
GI	none	Score	123
Exons	9462..9635, 9639..9773, 9670..9783, 9791..9877		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o2.gs	Method	GENSCAN
Start	11017	End	12159
GI	none	Score	68
Exons	11017..11051, 11435..11551, 11592..12159		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946
Name	OJ990318_07.9C03.C50.o3.np	Method	AAT/NAP
Start	11300	End	12855
GI	4680339	Score	221
Exons	11300..11657, 12805..12855		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	36928	Seq. ID	OJ990318_07.9C03.C50
Gene No.	75976	Strand	-
Start	11017	End	12946

Name	OJ990318_07.9C03.C50.o3.gs	Method	GENSCAN
Start	12685	End	12946
GI	none	Score	.86
Exons	12685..12946		

Seq. No.	36929	Seq. ID	OJ990318_07.9C03.C51
Gene No.	75977	Strand	-
Start	116	End	1562
Name	OJ990318_07.9C03.C51.o1.gs	Method	GENSCAN
Start	116	End	1562
GI	none	Score	.52
Exons	116..1290, 1337..1562		

Seq. No.	36930	Seq. ID	OJ990318_07.9C03.C52
Gene No.	75978	Strand	+
Start	515	End	687
Name	OJ990318_07.9C03.C52.o1.gs	Method	GENSCAN
Start	515	End	687
GI	none	Score	.54
Exons	515..687		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75979	Strand	+
Start	79	End	7746
Name	OJ990318_07.9C03.C53.o1.gs	Method	GENSCAN
Start	79	End	7746
GI	none	Score	.74
Exons	79..1689, 1941..2538, 2805..2896, 3345..3471, 4343..4371, 4550..4651, 6582..6734, 7663..7746		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75979	Strand	+
Start	79	End	7746
Name	OJ990318_07.9C03.C53.o1.np	Method	AAT/NAP
Start	605	End	2393
GI	4680339	Score	77
Exons	605..695, 2099..2393		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75980	Strand	+
Start	11652	End	13167
Name	OJ990318_07.9C03.C53.o2.np	Method	AAT/NAP
Start	11547	End	13161
GI	1172874	Score	435
Exons	11547..11699, 12129..13161		
GI Descrip.	DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR gi|479589|pir||S34823 dehydration-induced protein RD22 - Arabidopsis thaliana gi|391608|dbj|BAA01546| (D10703) rd22 [Arabidopsis thaliana] gi|447134|prf||1913421A rd22 gene [Arabidopsis thaliana]		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75980	Strand	+
Start	11652	End	13167
Name	OJ990318_07.9C03.C53.o2.gs	Method	GENSCAN
Start	11652	End	13167

GI	none	Score	.95
Exons	11652..12525, 12630..12833, 12839..13167		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75980	Strand	+
Start	11652	End	13167
Name	OJ990318_07.9C03.C53.o1.gp	Method	AAT/GAP
Start	12519	End	13005
GI	LIB3431-012-P1-K1-E8	Score	878
Exons	12519..13005		
GI Descrip.	'1172874/sp|Q08298|RD22_ARATH 2.0e-21 DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR >gi_479589_pir__S34823 dehydration-induced protein RD22 - Arabidopsis thaliana >gi_391608_dbj_BAA01546_ (D10703) rd22 [Arabidopsis thaliana] >gi_447134_prf__1913421A rd22 gene [Arabidopsis thaliana]'		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o2.tm	Method	TBLASTX:Maize
Start	1014	End	1368
GI	none	Score	120
Exons	1014..1136, 1015..1116, 1042..1167, 1120..1368, 1162..1368		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o3.tm	Method	TBLASTX:Maize
Start	1812	End	2417
GI	none	Score	47
Exons	1812..1862, 1884..2027, 2171..2341, 2172..2417		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o1.ts	Method	TBLASTX:Soybean
Start	11580	End	13176
GI	none	Score	82
Exons	11580..11678, 12468..12539, 12480..12539, 12567..12623, 12584..12628, 12613..12828, 12614..12814, 12844..12975, 12963..13169, 12973..13176		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o1.tc	Method	TBLASTX:Cress
Start	11589	End	13158
GI	none	Score	107
Exons	11589..11690, 12468..12539, 12480..12539, 12585..12635, 12614..12814, 12637..12831, 12913..12978, 12963..13127, 12976..13152, 13036..13158		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o1.tm	Method	TBLASTX:Maize
Start	12569	End	13181

GI	none	Score	78
Exons	12569..12637, 12570..12638, 12613..12831, 12614..12814, 12623..12838, 12891..12974, 12898..12975, 12919..12975, 12975..13166, 12976..13167, 12976..13167, 13059..13181		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o1.tw	Method	TBLASTX:Wheat
Start	12581	End	12891
GI	none	Score	47
Exons	12581..12637, 12582..12638, 12584..12637, 12595..12828, 12614..12817, 12623..12841, 12751..12822, 12844..12891, 12854..12889		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o2.tw	Method	TBLASTX:Wheat
Start	12913	End	13158
GI	none	Score	77
Exons	12913..12966, 12915..13130, 13006..13158, 13018..13155		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o3.gs	Method	GENSCAN
Start	15294	End	16908
GI	none	Score	.8
Exons	15294..15407, 16771..16908		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o3.np	Method	AAT/NAP
Start	15843	End	19159
GI	3153821	Score	105
Exons	15843..15896, 18165..19159		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	36931	Seq. ID	OJ990318_07.9C03.C53
Gene No.	75981	Strand	-
Start	15294	End	19159
Name	OJ990318_07.9C03.C53.o4.gs	Method	GENSCAN
Start	17848	End	18872
GI	none	Score	.63
Exons	17848..18326, 18419..18872		

Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o1.np	Method	AAT/NAP
Start	108	End	3553
GI	5295971	Score	1419
Exons	108..177, 1605..2523, 2560..3553		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the		

predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o1.gs	Method	GENSCAN
Start	535	End	844
GI	none	Score	.92
Exons	535..844		

Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o2.gs	Method	GENSCAN
Start	1510	End	3495
GI	none	Score	.89
Exons	1510..3117, 3145..3495		

Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o3.tw	Method	TBLASTX:Wheat
Start	1759	End	2159
GI	none	Score	201
Exons	1759..2109, 1776..1910, 1947..2159		

Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o2.tm	Method	TBLASTX:Maize
Start	1833	End	2160
GI	none	Score	221
Exons	1833..2159, 1834..2160		

Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o1.tm	Method	TBLASTX:Maize
Start	2608	End	3078
GI	none	Score	44
Exons	2608..2694, 2670..2900, 2671..2889, 2923..3078, 2980..3024		

Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o1.tw	Method	TBLASTX:Wheat
Start	2691	End	3138
GI	none	Score	266
Exons	2691..2900, 2692..3057, 3058..3138		

Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o1.ts	Method	TBLASTX:Soybean
Start	3082	End	3411
GI	none	Score	214

Exons	3082..3411, 3178..3258		
Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o2.tw	Method	TBLASTX:Wheat
Start	3220	End	3552
GI	none	Score	210
Exons	3220..3552		
Seq. No.	36932	Seq. ID	OJ990318_07.9C03.C54
Gene No.	75982	Strand	+
Start	108	End	3553
Name	OJ990318_07.9C03.C54.o3.tm	Method	TBLASTX:Maize
Start	3232	End	3552
GI	none	Score	205
Exons	3232..3552, 3435..3548		
Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o1.np	Method	AAT/NAP
Start	1	End	1310
GI	5295971	Score	1289
Exons	1..1310		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o1.gs	Method	GENSCAN
Start	73	End	1292
GI	none	Score	.97
Exons	73..819, 855..1292		
Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o1.ts	Method	TBLASTX:Soybean
Start	73	End	615
GI	5509260	Score	289
Exons	73..504, 192..377, 477..593, 478..615		
GI Descrip.	-		
Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o2.tm	Method	TBLASTX:Maize
Start	145	End	465
GI	none	Score	343
Exons	145..465, 156..464, 301..465		
Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310

Name	OJ990318_07.9C03.C55.o1.tw	Method	TBLASTX:Wheat
Start	157	End	600
GI	none	Score	57
Exons	157..228, 252..485, 262..504,	469..600,	471..596

Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o2.tc	Method	TBLASTX:Cress
Start	235	End	483
GI	none	Score	209
Exons	235..483		

Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o3.tm	Method	TBLASTX:Maize
Start	477	End	842
GI	none	Score	209
Exons	477..593, 481..840, 789..842		

Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o2.tw	Method	TBLASTX:Wheat
Start	790	End	1142
GI	none	Score	55
Exons	790..855, 852..944, 969..1142		

Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o1.tm	Method	TBLASTX:Maize
Start	920	End	1310
GI	none	Score	384
Exons	920..1309, 960..1310		

Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o1.tc	Method	TBLASTX:Cress
Start	959	End	1310
GI	none	Score	261
Exons	959..1141, 960..1265, 1190..1264,	1263..1310	

Seq. No.	36933	Seq. ID	OJ990318_07.9C03.C55
Gene No.	75983	Strand	+
Start	1	End	1310
Name	OJ990318_07.9C03.C55.o2.ts	Method	TBLASTX:Soybean
Start	965	End	1286
GI	none	Score	186
Exons	965..1132, 966..1151, 1176..1286,	1178..1285	

Seq. No.	36934	Seq. ID	OJ990318_07.9C03.C57
Gene No.	75984	Strand	-
Start	638	End	799
Name	OJ990318_07.9C03.C57.o1.gs	Method	GENSCAN

Start	638	End	799
GI	none	Score	.76
Exons	638..799		

Seq. No.	36935	Seq. ID	OJ990318_07.9C03.C59
Gene No.	75985	Strand	+
Start	474	End	743
Name	OJ990318_07.9C03.C59.o1.np	Method	AAT/NAP
Start	474	End	743
GI	6721512	Score	49
Exons	474..593, 636..743		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	36936	Seq. ID	OJ990318_07.9C03.C60
Gene No.	75986	Strand	+
Start	9	End	634
Name	OJ990318_07.9C03.C60.o1.gs	Method	GENSCAN
Start	9	End	634
GI	none	Score	.56
Exons	9..59, 508..634		

Seq. No.	36937	Seq. ID	OJ990318_07.9C03.C62
Gene No.	75987	Strand	-
Start	138	End	177
Name	OJ990318_07.9C03.C62.o1.gs	Method	GENSCAN
Start	138	End	177
GI	none	Score	.89
Exons	138..177		

Seq. No.	36938	Seq. ID	OJ990318_07.9C03.C65
Gene No.	75988	Strand	+
Start	474	End	688
Name	OJ990318_07.9C03.C65.o1.np	Method	AAT/NAP
Start	474	End	688
GI	5902445	Score	156
Exons	474..688		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	36939	Seq. ID	OJ990318_07.9C03.C71
Gene No.	75989	Strand	-
Start	97	End	375
Name	OJ990318_07.9C03.C71.o1.gs	Method	GENSCAN
Start	97	End	375
GI	none	Score	.94
Exons	97..375		

Seq. No.	36940	Seq. ID	OJ990318_02.9C03.C1
Gene No.	75990	Strand	-
Start	207	End	555
Name	OJ990318_02.9C03.C1.o1.gs	Method	GENSCAN
Start	207	End	555
GI	none	Score	.44
Exons	207..284, 391..555		

Seq. No.	36941	Seq. ID	OJ990318_02.9C03.C2
Gene No.	75991	Strand	+
Start	460	End	667

Name	OJ990318_02.9C03.C2.o1.gs	Method	GENSCAN
Start	460	End	667
GI	none	Score	.79
Exons	460..667		

Seq. No.	36941	Seq. ID	OJ990318_02.9C03.C2
Gene No.	75992	Strand	-
Start	138	End	737
Name	OJ990318_02.9C03.C2.o1.np	Method	AAT/NAP
Start	138	End	737
GI	5852178	Score	158
Exons	138..232, 595..737		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	36942	Seq. ID	OJ990318_02.9C03.C3
Gene No.	75993	Strand	+
Start	104	End	866
Name	OJ990318_02.9C03.C3.o1.np	Method	AAT/NAP
Start	104	End	866
GI	5922634	Score	118
Exons	104..207, 785..866		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	36942	Seq. ID	OJ990318_02.9C03.C3
Gene No.	75994	Strand	-
Start	118	End	251
Name	OJ990318_02.9C03.C3.o1.gs	Method	GENSCAN
Start	118	End	251
GI	none	Score	.67
Exons	118..251		

Seq. No.	36943	Seq. ID	OJ990318_02.9C03.C4
Gene No.	75995	Strand	-
Start	229	End	1119
Name	OJ990318_02.9C03.C4.o1.gs	Method	GENSCAN
Start	229	End	1119
GI	none	Score	.88
Exons	229..474, 933..1119		

Seq. No.	36944	Seq. ID	OJ990318_02.9C03.C5
Gene No.	75996	Strand	+
Start	9	End	510
Name	OJ990318_02.9C03.C5.o1.gs	Method	GENSCAN
Start	9	End	510
GI	none	Score	.52
Exons	9..142, 442..510		

Seq. No.	36945	Seq. ID	OJ990318_02.9C03.C6
Gene No.	75997	Strand	-
Start	227	End	1003
Name	OJ990318_02.9C03.C6.o1.gs	Method	GENSCAN
Start	227	End	487
GI	none	Score	.66
Exons	227..487		

Seq. No.	36945	Seq. ID	OJ990318_02.9C03.C6
Gene No.	75997	Strand	-
Start	227	End	1003
Name	OJ990318_02.9C03.C6.o1.np	Method	AAT/NAP
Start	271	End	1003
GI	4680179	Score	129
Exons	271..456, 942..1003		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36945	Seq. ID	OJ990318_02.9C03.C6
Gene No.	75997	Strand	-
Start	227	End	1003
Name	OJ990318_02.9C03.C6.o1.gp	Method	AAT/GAP
Start	466	End	831
GI	2309880	Score	655
Exons	466..831		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	36945	Seq. ID	OJ990318_02.9C03.C6
Gene No.	75998	Strand	-
Start	930	End	1003
Name	OJ990318_02.9C03.C6.o2.gp	Method	AAT/GAP
Start	930	End	1003
GI	3106852	Score	119
Exons	930..1003		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 1.0e-25 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	75999	Strand	-
Start	1	End	130
Name	OJ990318_02.9C03.C7.o1.gp	Method	AAT/GAP
Start	1	End	130
GI	2309880	Score	256
Exons	1..130		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 3.0e-60 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76000	Strand	-
Start	229	End	599
Name	OJ990318_02.9C03.C7.o2.gp	Method	AAT/GAP
Start	229	End	599
GI	3106852	Score	599
Exons	229..599		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 1.0e-25 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76001	Strand	-
Start	608	End	7686
Name	OJ990318_02.9C03.C7.o1.gs	Method	GENSCAN
Start	608	End	2593
GI	none	Score	.53
Exons	608..683, 1698..1844, 2198..2387, 2517..2593		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76001	Strand	-
Start	608	End	7686
Name	OJ990318_02.9C03.C7.o1.np	Method	AAT/NAP
Start	1236	End	7160
GI	4680179	Score	3182
Exons	1236..1347, 3806..5564, 5592..6583, 7088..7160		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76001	Strand	-
Start	608	End	7686
Name	OJ990318_02.9C03.C7.o2.np	Method	AAT/NAP
Start	6880	End	7686
GI	4512231	Score	1098
Exons	6880..7686		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	3807	End	4218
GI	none	Score	188
Exons	3807..4217, 3810..4139, 3847..4218		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	3867	End	4301
GI	none	Score	230
Exons	3867..3908, 3900..4271, 3931..4254, 4269..4301		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	3933	End	4181
GI	none	Score	38
Exons	3933..4181, 3952..3996, 4051..4155		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	4203	End	4598
GI	none	Score	154
Exons	4203..4454, 4213..4446, 4509..4562, 4519..4560, 4566..4598, 4566..4598		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o3.tw	Method	TBLASTX:Wheat
Start	4221	End	4490
GI	none	Score	85

Exons	4221..4319, 4221..4451, 4222..4452, 4398..4490		
Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	4509	End	4952
GI	none	Score	79
Exons	4509..4952, 4578..4952		
Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	4539	End	5021
GI	none	Score	216
Exons	4539..5021, 4542..4910, 4582..4917		
Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o3.ts	Method	TBLASTX:Soybean
Start	4674	End	4985
GI	none	Score	190
Exons	4674..4985		
Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o4.tm	Method	TBLASTX:Maize
Start	4953	End	5120
GI	none	Score	102
Exons	4953..5120, 5005..5112		
Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o6.tw	Method	TBLASTX:Wheat
Start	5025	End	5330
GI	none	Score	63
Exons	5025..5111, 5026..5103, 5118..5330, 5203..5271		
Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o4.tw	Method	TBLASTX:Wheat
Start	5344	End	6191
GI	none	Score	53
Exons	5344..5406, 5847..6191		
Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o7.tw	Method	TBLASTX:Wheat
Start	5424	End	5676
GI	none	Score	87
Exons	5424..5588, 5425..5553, 5553..5666, 5620..5661, 5620..5676		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o3.tm	Method	TBLASTX:Maize
Start	5853	End	6191
GI	none	Score	232
Exons	5853..6191		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o5.tw	Method	TBLASTX:Wheat
Start	6243	End	6441
GI	none	Score	118
Exons	6243..6440, 6244..6441		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o3.np	Method	AAT/NAP
Start	8865	End	11008
GI	6063554	Score	175
Exons	8865..9041, 10173..10399, 10984..11008		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o4.np	Method	AAT/NAP
Start	9577	End	10469
GI	5852178	Score	427
Exons	9577..9672, 10035..10138, 10170..10469		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	36946	Seq. ID	OJ990318_02.9C03.C7
Gene No.	76002	Strand	-
Start	8865	End	11112
Name	OJ990318_02.9C03.C7.o5.np	Method	AAT/NAP
Start	10815	End	11112
GI	6815052	Score	177
Exons	10815..10946, 11080..11112		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36947	Seq. ID	OJ990318_02.9C03.C8
Gene No.	76003	Strand	+
Start	1	End	657
Name	OJ990318_02.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	657
GI	5042463	Score	115
Exons	1..32, 447..657		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	36947	Seq. ID	OJ990318_02.9C03.C8
Gene No.	76004	Strand	-

Start	2351	End	3249
Name	OJ990318_02.9C03.C8.o2.np	Method	AAT/NAP
Start	2351	End	3249
GI	5852178	Score	418
Exons	2351..2446, 2809..2912, 2944..3249		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	36947	Seq. ID	OJ990318_02.9C03.C8
Gene No.	76005	Strand	-
Start	3930	End	4439
Name	OJ990318_02.9C03.C8.o2.gs	Method	GENSCAN
Start	3930	End	4396
GI	none	Score	.86
Exons	3930..4396		

Seq. No.	36947	Seq. ID	OJ990318_02.9C03.C8
Gene No.	76005	Strand	-
Start	3930	End	4439
Name	OJ990318_02.9C03.C8.o3.np	Method	AAT/NAP
Start	3934	End	4439
GI	4680179	Score	708
Exons	3934..4439		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36947	Seq. ID	OJ990318_02.9C03.C8
Gene No.	76005	Strand	-
Start	3930	End	4439
Name	OJ990318_02.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	3990	End	4397
GI	none	Score	164
Exons	3990..4397, 4042..4380		

Seq. No.	36947	Seq. ID	OJ990318_02.9C03.C8
Gene No.	76005	Strand	-
Start	3930	End	4439
Name	OJ990318_02.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	4173	End	4439
GI	none	Score	130
Exons	4173..4439, 4174..4431, 4194..4439		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76006	Strand	-
Start	63	End	9157
Name	OJ990318_02.9C03.C9.o1.gs	Method	GENSCAN
Start	63	End	9157
GI	none	Score	.59
Exons	63..857, 1654..1760, 2859..2927, 3227..3558, 3651..3763, 4138..4270, 5053..5569, 5613..5845, 5905..6459, 6472..7115, 7155..7451, 7487..7722, 7960..8260, 8270..9001, 9023..9157		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76006	Strand	-
Start	63	End	9157
Name	OJ990318_02.9C03.C9.o1.np	Method	AAT/NAP
Start	4596	End	9157
GI	4680179	Score	7398
Exons	4596..9157		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o6.tw	Method	TBLASTX:Wheat
Start	123	End	4974
GI	none	Score	114
Exons	123..443, 175..444, 4641..4973, 4642..4695, 4792..4881, 4903..4974		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	306	End	5420
GI	none	Score	104
Exons	306..731, 307..504, 327..611, 568..732, 729..863, 736..864, 4833..5261, 4834..5094, 4960..5262, 5200..5262, 5201..5266, 5259..5420, 5264..5401, 5265..5414, 5266..5418		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	444	End	5600
GI	none	Score	44
Exons	444..863, 445..504, 486..863, 565..870, 866..1069, 870..1013, 4974..5600, 4975..5097, 5019..5456, 5194..5598		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o3.tm	Method	TBLASTX:Maize
Start	938	End	5760
GI	none	Score	319
Exons	938..1228, 942..1229, 1126..1230, 5469..5759, 5473..5760		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	1028	End	5819
GI	none	Score	166
Exons	1028..1276, 1029..1277, 1071..1277, 5559..5819, 5560..5814		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o3.tw	Method	TBLASTX:Wheat
Start	1076	End	6135
GI	none	Score	249
Exons	1076..1519, 1080..1331, 1383..1451, 5607..6086, 5608..5862, 5640..6053, 5908..6135		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-

Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	6169	End	6527
GI	none	Score	165
Exons	6169..6366, 6174..6527, 6186..6473, 6259..6525		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	6214	End	6630
GI	none	Score	202
Exons	6214..6579, 6216..6554, 6216..6629, 6256..6630		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o3.ts	Method	TBLASTX:Soybean
Start	6348	End	6593
GI	none	Score	192
Exons	6348..6593		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o4.tm	Method	TBLASTX:Maize
Start	6564	End	7064
GI	none	Score	47
Exons	6564..6899, 6580..6657, 6682..6813, 6885..7064		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	6615	End	7010
GI	none	Score	160
Exons	6615..6974, 6616..6879, 6966..7010, 6978..7010		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o5.tw	Method	TBLASTX:Wheat
Start	6633	End	6902
GI	none	Score	213
Exons	6633..6902, 6634..6882, 6821..6901		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o4.tw	Method	TBLASTX:Wheat
Start	6951	End	7433
GI	none	Score	245
Exons	6951..7433, 6955..7329		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072

Name	OJ990318_02.9C03.C9.o5.tm	Method	TBLASTX:Maize
Start	7134	End	7421
GI	none	Score	146
Exons	7134..7421, 7135..7323		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o8.tw	Method	TBLASTX:Wheat
Start	7595	End	8011
GI	none	Score	114
Exons	7595..7780, 7596..7760, 7805..8011, 7863..7961, 7895..8008		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o6.tm	Method	TBLASTX:Maize
Start	8354	End	8650
GI	none	Score	128
Exons	8354..8650, 8366..8650, 8463..8633		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o7.tw	Method	TBLASTX:Wheat
Start	8531	End	8894
GI	none	Score	109
Exons	8531..8890, 8532..8732, 8790..8894		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o2.gs	Method	GENSCAN
Start	9408	End	11072
GI	none	Score	.94
Exons	9408..10334, 10966..11072		

Seq. No.	36948	Seq. ID	OJ990318_02.9C03.C9
Gene No.	76007	Strand	-
Start	9408	End	11072
Name	OJ990318_02.9C03.C9.o2.np	Method	AAT/NAP
Start	9411	End	10268
GI	5042448	Score	1376
Exons	9411..10268		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	36949	Seq. ID	OJ990318_02.9C03.C10
Gene No.	76008	Strand	-
Start	1	End	848
Name	OJ990318_02.9C03.C10.o1.np	Method	AAT/NAP
Start	1	End	848
GI	4680179	Score	1235
Exons	1..848		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	36949	Seq. ID	OJ990318_02.9C03.C10

Gene No.	76008	Strand	-
Start	1	End	848
Name	OJ990318_02.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	1	End	286
GI	none	Score	55
Exons	1..237, 59..286		

Seq. No.	36949	Seq. ID	OJ990318_02.9C03.C10
Gene No.	76008	Strand	-
Start	1	End	848
Name	OJ990318_02.9C03.C10.o1.gs	Method	GENSCAN
Start	52	End	617
GI	none	Score	.42
Exons	52..617		

Seq. No.	36949	Seq. ID	OJ990318_02.9C03.C10
Gene No.	76008	Strand	-
Start	1	End	848
Name	OJ990318_02.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	320	End	678
GI	none	Score	165
Exons	320..517, 325..678, 337..624, 410..676		

Seq. No.	36949	Seq. ID	OJ990318_02.9C03.C10
Gene No.	76008	Strand	-
Start	1	End	848
Name	OJ990318_02.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	325	End	750
GI	none	Score	238
Exons	325..672, 325..750, 407..748		

Seq. No.	36949	Seq. ID	OJ990318_02.9C03.C10
Gene No.	76008	Strand	-
Start	1	End	848
Name	OJ990318_02.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	499	End	744
GI	none	Score	192
Exons	499..744		

Seq. No.	36950	Seq. ID	OJ990318_02.9C03.C11
Gene No.	76009	Strand	-
Start	68	End	475
Name	OJ990318_02.9C03.C11.o1.gs	Method	GENSCAN
Start	68	End	475
GI	none	Score	.73
Exons	68..475		

Seq. No.	36951	Seq. ID	OJ990318_02.9C03.C12
Gene No.	76010	Strand	-
Start	98	End	226
Name	OJ990318_02.9C03.C12.o1.gs	Method	GENSCAN
Start	98	End	226
GI	none	Score	.41
Exons	98..226		

Seq. No.	36952	Seq. ID	OJ990318_02.9C03.C13
Gene No.	76011	Strand	-

Start	184	End	503
Name	OJ990318_02.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	39	End	503
GI	none	Score	84
Exons	39..173, 58..249, 62..232, 63..260, 142..282, 265..408, 309..452, 318..503		

Seq. No.	36952	Seq. ID	OJ990318_02.9C03:C13
Gene No.	76011	Strand	-
Start	184	End	503
Name	OJ990318_02.9C03.C13.o1.gs	Method	GENSCAN
Start	184	End	357
GI	none	Score	.73
Exons	184..357		

Seq. No.	36953	Seq. ID	OJ990318_02.9C03.C15
Gene No.	76012	Strand	+
Start	9704	End	10527
Name	OJ990318_02.9C03.C15.o2.gs	Method	GENSCAN
Start	9704	End	10527
GI	none	Score	.74
Exons	9704..9928, 10123..10527		

Seq. No.	36953	Seq. ID	OJ990318_02.9C03.C15
Gene No.	76013	Strand	-
Start	1651	End	9541
Name	OJ990318_02.9C03.C15.o1.gs	Method	GENSCAN
Start	1651	End	9541
GI	none	Score	.43
Exons	1651..2761, 4106..4204, 4289..4641, 8005..8187, 8226..8254, 8619..8912, 9341..9510, 9540..9541		

Seq. No.	36953	Seq. ID	OJ990318_02.9C03.C15
Gene No.	76013	Strand	-
Start	1651	End	9541
Name	OJ990318_02.9C03.C15.o2.tm	Method	TBLASTX:Maize
Start	1969	End	2475
GI	none	Score	104
Exons	1969..2199, 1969..2232, 2013..2210, 2215..2358, 2259..2402, 2268..2453, 2401..2475		

Seq. No.	36953	Seq. ID	OJ990318_02.9C03.C15
Gene No.	76013	Strand	-
Start	1651	End	9541
Name	OJ990318_02.9C03.C15.o1.np	Method	AAT/NAP
Start	2703	End	7522
GI	6453893	Score	308
Exons	2703..2761, 4106..4204, 4289..4641, 7401..7522		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36953	Seq. ID	OJ990318_02.9C03.C15
Gene No.	76013	Strand	-
Start	1651	End	9541
Name	OJ990318_02.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	4306	End	7531
GI	none	Score	52
Exons	4306..4335, 4307..4336, 4382..4639, 4393..4644, 4405..4641,		

4425..4670, 7389..7520, 7395..7517, 7399..7521, 7400..7531

Seq. No.	36954	Seq. ID	OJ990318_02.9C03.C16
Gene No.	76014	Strand	+
Start	77	End	432
Name	OJ990318_02.9C03.C16.o1.gs	Method	GENSCAN
Start	77	End	432
GI	none	Score	.47
Exons	77..181, 269..432		

Seq. No.	36954	Seq. ID	OJ990318_02.9C03.C16
Gene No.	76015	Strand	-
Start	816	End	1328
Name	OJ990318_02.9C03.C16.o2.gs	Method	GENSCAN
Start	816	End	1328
GI	none	Score	.51
Exons	816..945, 1135..1328		

Seq. No.	36955	Seq. ID	OJ990318_02.9C03.C17
Gene No.	76016	Strand	-
Start	90	End	592
Name	OJ990318_02.9C03.C17.o1.gs	Method	GENSCAN
Start	90	End	592
GI	none	Score	.55
Exons	90..267, 360..592		

Seq. No.	36956	Seq. ID	OJ990318_02.9C03.C19
Gene No.	76017	Strand	+
Start	1326	End	17154
Name	OJ990318_02.9C03.C19.o1.gs	Method	GENSCAN
Start	1326	End	17154
GI	none	Score	.65
Exons	1326..1560, 1577..1843, 2302..2547, 3072..3486, 3604..3732, 5642..5728, 7273..7372, 8004..8172, 8706..8831, 8955..9012, 9325..9374, 9723..9892, 10044..10147, 11900..12029, 16134..16394, 16433..16645, 16740..16856, 17041..17154		

Seq. No.	36956	Seq. ID	OJ990318_02.9C03.C19
Gene No.	76017	Strand	+
Start	1326	End	17154
Name	OJ990318_02.9C03.C19.o3.np	Method	AAT/NAP
Start	12849	End	14329
GI	4539658	Score	90
Exons	12849..12874, 14177..14329		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	36956	Seq. ID	OJ990318_02.9C03.C19
Gene No.	76017	Strand	+
Start	1326	End	17154
Name	OJ990318_02.9C03.C19.o1.np	Method	AAT/NAP
Start	12981	End	13384
GI	2462640	Score	503
Exons	12981..13384		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	36956	Seq. ID	OJ990318_02.9C03.C19

Gene No.	76018	Strand	-
Start	18387	End	19305
Name	OJ990318_02.9C03.C19.o1.tw	Method	TBLASTX:Wheat
Start	11990	End	12235
GI	none	Score	250
Exons	11990..12235, 12043..12234		

Seq. No.	36956	Seq. ID	OJ990318_02.9C03.C19
Gene No.	76018	Strand	-
Start	18387	End	19305
Name	OJ990318_02.9C03.C19.o1.tm	Method	TBLASTX:Maize
Start	13017	End	13901
GI	none	Score	119
Exons	13017..13256, 13244..13438, 13354..13437, 13499..13639, 13785..13901		

Seq. No.	36956	Seq. ID	OJ990318_02.9C03.C19
Gene No.	76018	Strand	-
Start	18387	End	19305
Name	OJ990318_02.9C03.C19.o2.gs	Method	GENSCAN
Start	18387	End	19305
GI	none	Score	.75
Exons	18387..18566, 19099..19305		

Seq. No.	36957	Seq. ID	OJ990318_02.9C03.C20
Gene No.	76019	Strand	+
Start	399	End	480
Name	OJ990318_02.9C03.C20.o1.gs	Method	GENSCAN
Start	399	End	480
GI	none	Score	.58
Exons	399..480		

Seq. No.	36957	Seq. ID	OJ990318_02.9C03.C20
Gene No.	76020	Strand	-
Start	211	End	1008
Name	OJ990318_02.9C03.C20.o1.np	Method	AAT/NAP
Start	211	End	1008
GI	6063554	Score	134
Exons	211..384, 963..1008		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	36958	Seq. ID	OJ990318_02.9C03.C21
Gene No.	76021	Strand	+
Start	122	End	202
Name	OJ990318_02.9C03.C21.o1.gs	Method	GENSCAN
Start	122	End	202
GI	none	Score	.97
Exons	122..202		

Seq. No.	36959	Seq. ID	OJ990318_02.9C03.C23
Gene No.	76022	Strand	-
Start	141	End	1001
Name	OJ990318_02.9C03.C23.o1.gs	Method	GENSCAN
Start	141	End	663
GI	none	Score	.78

Exons	141..443, 518..663		
Seq. No.	36959	Seq. ID	OJ990318_02.9C03.C23
Gene No.	76022	Strand	-
Start	141	End	1001
Name	OJ990318_02.9C03.C23.o1.tc	Method	TBLASTX:Cress
Start	357	End	666
GI	none	Score	105
Exons	357..452, 524..655, 527..664,	531..665,	544..666
Seq. No.	36959	Seq. ID	OJ990318_02.9C03.C23
Gene No.	76022	Strand	-
Start	141	End	1001
Name	OJ990318_02.9C03.C23.o1.ts	Method	TBLASTX:Soybean
Start	372	End	665
GI	none	Score	115
Exons	372..440, 527..664, 531..665		
Seq. No.	36959	Seq. ID	OJ990318_02.9C03.C23
Gene No.	76022	Strand	-
Start	141	End	1001
Name	OJ990318_02.9C03.C23.o2.np	Method	AAT/NAP
Start	514	End	1001
GI	5032159	Score	91
Exons	514..677, 964..1001		
GI Descrip.	transducin (beta)-like 1 gi|3021409|emb|CAA73319.1| (Y12781) transducin (beta) like 1 protein [Homo sapiens]		
Seq. No.	36960	Seq. ID	OJ990318_02.9C03.C24
Gene No.	76023	Strand	-
Start	1	End	1214
Name	OJ990318_02.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	1214
GI	4680179	Score	1040
Exons	1..62, 482..1214		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	36960	Seq. ID	OJ990318_02.9C03.C24
Gene No.	76023	Strand	-
Start	1	End	1214
Name	OJ990318_02.9C03.C24.o1.gs	Method	GENSCAN
Start	392	End	960
GI	none	Score	51
Exons	392..960		
Seq. No.	36960	Seq. ID	OJ990318_02.9C03.C24
Gene No.	76023	Strand	-
Start	1	End	1214
Name	OJ990318_02.9C03.C24.o1.tw	Method	TBLASTX:Wheat
Start	485	End	896
GI	none	Score	188
Exons	485..895, 488..817, 525..896		
Seq. No.	36960	Seq. ID	OJ990318_02.9C03.C24
Gene No.	76023	Strand	-
Start	1	End	1214
Name	OJ990318_02.9C03.C24.o1.tm	Method	TBLASTX:Maize

Start	545	End	979
GI	none	Score	230
Exons	545..586, 578..949, 609..932, 947..979		

Seq. No.	36960	Seq. ID	OJ990318_02.9C03.C24
Gene No.	76023	Strand	-
Start	1	End	1214
Name	OJ990318_02.9C03.C24.o2.ts	Method	TBLASTX:Soybean
Start	611	End	859
GI	none	Score	38
Exons	611..859, 630..674, 729..833		

Seq. No.	36960	Seq. ID	OJ990318_02.9C03.C24
Gene No.	76023	Strand	-
Start	1	End	1214
Name	OJ990318_02.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	881	End	1132
GI	none	Score	154
Exons	881..1132, 891..1124		

Seq. No.	36960	Seq. ID	OJ990318_02.9C03.C24
Gene No.	76023	Strand	-
Start	1	End	1214
Name	OJ990318_02.9C03.C24.o2.tw	Method	TBLASTX:Wheat
Start	899	End	1168
GI	none	Score	215
Exons	899..1129, 900..1130, 1075..1167, 1076..1168		

Seq. No.	36961	Seq. ID	OJ990318_02.9C03.C25
Gene No.	76024	Strand	-
Start	261	End	462
Name	OJ990318_02.9C03.C25.o1.gs	Method	GENSCAN
Start	261	End	462
GI	none	Score	.73
Exons	261..462		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76025	Strand	+
Start	7814	End	10638
Name	OJ990318_02.9C03.C26.o3.np	Method	AAT/NAP
Start	7814	End	9914
GI	4417307	Score	351
Exons	7814..7839, 9167..9914		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76025	Strand	+
Start	7814	End	10638
Name	OJ990318_02.9C03.C26.o4.np	Method	AAT/NAP
Start	8654	End	10638
GI	629693	Score	511
Exons	8654..8722, 9306..10352, 10594..10638		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26

Gene No.	76025	Strand	+
Start	7814	End	10638
Name	OJ990318_02.9C03.C26.o3.gs	Method	GENSCAN
Start	9681	End	10370
GI	none	Score	.61
Exons	9681..10370		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76026	Strand	-
Start	4560	End	8847
Name	OJ990318_02.9C03.C26.o2.np	Method	AAT/NAP
Start	4560	End	8847
GI	6815052	Score	2008
Exons	4560..4678, 4960..5035, 5117..5814, 5863..5998, 6781..6873, 7741..7840, 8139..8256, 8538..8613, 8695..8847		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o1.tw	Method	TBLASTX:Wheat
Start	3087	End	3472
GI	none	Score	81
Exons	3087..3143, 3092..3133, 3138..3470, 3146..3448, 3377..3472		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o2.tm	Method	TBLASTX:Maize
Start	3141	End	3359
GI	none	Score	275
Exons	3141..3359, 3146..3358		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	3360	End	3821
GI	none	Score	520
Exons	3360..3821, 3360..3665, 3509..3820		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	3507	End	3977
GI	none	Score	226
Exons	3507..3788, 3545..3769, 3789..3977, 3833..3964		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o3.tw	Method	TBLASTX:Wheat
Start	3509	End	3890
GI	none	Score	213
Exons	3509..3823, 3510..3827, 3789..3890		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o2.ts	Method	TBLASTX:Soybean
Start	4128	End	4495
GI	none	Score	146
Exons	4128..4265, 4136..4261, 4310..4495, 4315..4455		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o2.tw	Method	TBLASTX:Wheat
Start	6053	End	6547
GI	none	Score	91
Exons	6053..6547, 6153..6530		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o3.tm	Method	TBLASTX:Maize
Start	9366	End	9746
GI	none	Score	63
Exons	9366..9524, 9522..9746		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o4.ts	Method	TBLASTX:Soybean
Start	9369	End	9767
GI	none	Score	206
Exons	9369..9767, 9473..9589		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o4.tw	Method	TBLASTX:Wheat
Start	9927	End	10334
GI	none	Score	206
Exons	9927..10334, 9935..10300		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o3.ts	Method	TBLASTX:Soybean
Start	10110	End	10355
GI	none	Score	227
Exons	10110..10355, 10112..10249, 10322..10351		

Seq. No.	36962	Seq. ID	OJ990318_02.9C03.C26
Gene No.	76027	Strand	-
Start	10801	End	14454
Name	OJ990318_02.9C03.C26.o4.gs	Method	GENSCAN
Start	10801	End	14454
GI	none	Score	.53
Exons	10801..11286, 11310..11465, 11547..11660, 11729..11788, 11864..12147, 12455..12867, 12955..13834, 13948..14045, 14378..14454		

Seq. No.	36963	Seq. ID	OJ990318_02.9C03.C27
Gene No.	76028	Strand	+
Start	864	End	2900
Name	OJ990318_02.9C03.C27.o2.np	Method	AAT/NAP
Start	864	End	2900
GI	5852175	Score	54
Exons	864..994, 1445..1642, 2664..2771, 2858..2900		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	36963	Seq. ID	OJ990318_02.9C03.C27
Gene No.	76029	Strand	-
Start	1	End	1872
Name	OJ990318_02.9C03.C27.o1.np	Method	AAT/NAP
Start	1	End	1828
GI	5852179	Score	281
Exons	1..52, 1320..1550, 1608..1828		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	36963	Seq. ID	OJ990318_02.9C03.C27
Gene No.	76029	Strand	-
Start	1	End	1872
Name	OJ990318_02.9C03.C27.o2.gs	Method	GENSCAN
Start	1351	End	1872
GI	none	Score	.76
Exons	1351..1872		

Seq. No.	36964	Seq. ID	OJ990318_02.9C03.C28
Gene No.	76030	Strand	-
Start	92	End	217
Name	OJ990318_02.9C03.C28.o1.gs	Method	GENSCAN
Start	92	End	217
GI	none	Score	.58
Exons	92..217		

Seq. No.	36965	Seq. ID	OJ990318_02.9C03.C29
Gene No.	76031	Strand	+
Start	541	End	648
Name	OJ990318_02.9C03.C29.o1.gp	Method	AAT/GAP
Start	541	End	648
GI	uC-osflcyp088b12b1	Score	155
Exons	541..648		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36965	Seq. ID	OJ990318_02.9C03.C29
Gene No.	76032	Strand	-
Start	37	End	222
Name	OJ990318_02.9C03.C29.o1.gs	Method	GENSCAN
Start	37	End	222
GI	none	Score	.4
Exons	37..222		

Seq. No.	36966	Seq. ID	OJ990318_02.9C03.C30
Gene No.	76033	Strand	+
Start	157	End	250
Name	OJ990318_02.9C03.C30.o1.gs	Method	GENSCAN

Start	157	End	250
GI	none	Score	.73
Exons	157..250		

Seq. No.	36967	Seq. ID	OJ990318_02.9C03.C32
Gene No.	76034	Strand	+
Start	39	End	170
Name	OJ990318_02.9C03.C32.o1.gs	Method	GENSCAN
Start	39	End	170
GI	none	Score	.83
Exons	39..170		

Seq. No.	36967	Seq. ID	OJ990318_02.9C03.C32
Gene No.	76035	Strand	-
Start	385	End	790
Name	OJ990318_02.9C03.C32.o2.gs	Method	GENSCAN
Start	385	End	790
GI	none	Score	.64
Exons	385..790		

Seq. No.	36968	Seq. ID	OJ990318_02.9C03.C34
Gene No.	76036	Strand	-
Start	239	End	477
Name	OJ990318_02.9C03.C34.o1.gs	Method	GENSCAN
Start	239	End	477
GI	none	Score	.44
Exons	239..477		

Seq. No.	36969	Seq. ID	OJ990318_02.9C03.C35
Gene No.	76037	Strand	+
Start	608	End	11261
Name	OJ990318_02.9C03.C35.o1.gs	Method	GENSCAN
Start	608	End	11261
GI	none	Score	.43
Exons	608..725, 844..968, 2398..2523, 2954..3364, 3475..3598, 7908..8044, 8452..8570, 8915..9016, 9393..9426, 10296..10420, 10994..11261		

Seq. No.	36969	Seq. ID	OJ990318_02.9C03.C35
Gene No.	76037	Strand	+
Start	608	End	11261
Name	OJ990318_02.9C03.C35.o1.np	Method	AAT/NAP
Start	2257	End	9334
GI	6523547	Score	389
Exons	2257..3465, 9291..9334		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	36969	Seq. ID	OJ990318_02.9C03.C35
Gene No.	76037	Strand	+
Start	608	End	11261
Name	OJ990318_02.9C03.C35.o1.gp	Method	AAT/GAP
Start	5074	End	5181
GI	uC-osflcyp088b12b1	Score	148
Exons	5074..5181		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	36969	Seq. ID	OJ990318_02.9C03.C35
Gene No.	76038	Strand	-
Start	10862	End	12838
Name	OJ990318_02.9C03.C35.o2.np	Method	AAT/NAP
Start	10862	End	11936
GI	119714	Score	220
Exons	10862..11236, 11351..11936		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	36969	Seq. ID	OJ990318_02.9C03.C35
Gene No.	76038	Strand	-
Start	10862	End	12838
Name	OJ990318_02.9C03.C35.o2.gs	Method	GENSCAN
Start	11668	End	12838
GI	none	Score	.54
Exons	11668..11815, 12637..12838		

Seq. No.	36970	Seq. ID	OJ990318_02.9C03.C36
Gene No.	76039	Strand	+
Start	217	End	823
Name	OJ990318_02.9C03.C36.o1.gs	Method	GENSCAN
Start	217	End	823
GI	none	Score	.85
Exons	217..823		

Seq. No.	36971	Seq. ID	OJ990318_02.9C03.C37
Gene No.	76040	Strand	-
Start	1114	End	1450
Name	OJ990318_02.9C03.C37.o1.gs	Method	GENSCAN
Start	1114	End	1450
GI	none	Score	.57
Exons	1114..1450		

Seq. No.	36972	Seq. ID	OJ990318_02.9C03.C39
Gene No.	76041	Strand	-
Start	416	End	1882
Name	OJ990318_02.9C03.C39.o1.gs	Method	GENSCAN
Start	416	End	1882
GI	none	Score	.55
Exons	416..520, 1748..1882		

Seq. No.	36972	Seq. ID	OJ990318_02.9C03.C39
Gene No.	76041	Strand	-
Start	416	End	1882
Name	OJ990318_02.9C03.C39.o1.np	Method	AAT/NAP
Start	1243	End	1472
GI	4585985	Score	67
Exons	1243..1472		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	36973	Seq. ID	OJ990318_02.9C03.C40
Gene No.	76042	Strand	+
Start	201	End	1062

Name	OJ990318_02.9C03.C40.o1.gs	Method	GENSCAN
Start	201	End	1062
GI	none	Score	.72
Exons	201..294, 543..775, 868..1062		

Seq. No.	36974	Seq. ID	OJ990318_02.9C03.C41
Gene No.	76043	Strand	-
Start	829	End	1451
Name	OJ990318_02.9C03.C41.o1.gs	Method	GENSCAN
Start	829	End	1045
GI	none	Score	.58
Exons	829..961, 977..1045		

Seq. No.	36974	Seq. ID	OJ990318_02.9C03.C41
Gene No.	76043	Strand	-
Start	829	End	1451
Name	OJ990318_02.9C03.C41.o1.np	Method	AAT/NAP
Start	880	End	1451
GI	6523547	Score	130
Exons	880..1451		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	36975	Seq. ID	OJ990318_02.9C03.C42
Gene No.	76044	Strand	-
Start	107	End	610
Name	OJ990318_02.9C03.C42.o1.np	Method	AAT/NAP
Start	107	End	610
GI	6721559	Score	348
Exons	107..245, 274..610		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	36976	Seq. ID	OJ990318_02.9C03.C44
Gene No.	76045	Strand	-
Start	1	End	561
Name	OJ990318_02.9C03.C44.o2.np	Method	AAT/NAP
Start	1	End	561
GI	6815052	Score	99
Exons	1..57, 470..561		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	36977	Seq. ID	OJ990318_02.9C03.C47
Gene No.	76046	Strand	+
Start	192	End	312
Name	OJ990318_02.9C03.C47.o1.gs	Method	GENSCAN
Start	192	End	312
GI	none	Score	.86
Exons	192..312		

Seq. No.	36977	Seq. ID	OJ990318_02.9C03.C47
Gene No.	76047	Strand	-
Start	690	End	807
Name	OJ990318_02.9C03.C47.o1.np	Method	AAT/NAP
Start	690	End	807
GI	4680183	Score	158

Exons	690..807		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	36978	Seq. ID	OJ990318_02.9C03.C49
Gene No.	76048	Strand	
Start	626	End	945
Name	OJ990318_02.9C03.C49.o1.tm	Method	TBLASTX:Maize
Start	626	End	945
GI	none	Score	63
Exons	626..664, 754..945, 768..944		
Seq. No.	36979	Seq. ID	OJ990318_02.9C03.C53
Gene No.	76049	Strand	-
Start	1	End	305
Name	OJ990318_02.9C03.C53.o1.np	Method	AAT/NAP
Start	1	End	305
GI	6453893	Score	107
Exons	1..95, 180..305		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	36980	Seq. ID	OJ990318_02.9C03.C54
Gene No.	76050	Strand	-
Start	39	End	233
Name	OJ990318_02.9C03.C54.o1.gs	Method	GENSCAN
Start	39	End	233
GI	none	Score	.83
Exons	39..233		
Seq. No.	36981	Seq. ID	OJ990318_02.9C03.C56
Gene No.	76051	Strand	+
Start	561	End	642
Name	OJ990318_02.9C03.C56.o1.gs	Method	GENSCAN
Start	561	End	642
GI	none	Score	.88
Exons	561..642		
Seq. No.	36982	Seq. ID	OJ990528_05.9C03.C2
Gene No.	76052	Strand	
Start	31	End	335
Name	OJ990528_05.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	31	End	335
GI	none	Score	268
Exons	31..261, 31..213, 33..260, 300..335		
Seq. No.	36982	Seq. ID	OJ990528_05.9C03.C2
Gene No.	76052	Strand	
Start	31	End	335
Name	OJ990528_05.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	33	End	335
GI	none	Score	96
Exons	33..116, 33..335, 34..330, 150..332		
Seq. No.	36983	Seq. ID	OJ990528_05.9C03.C3
Gene No.	76053	Strand	
Start	39	End	609
Name	OJ990528_05.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	39	End	609

GI	none	Score	126
Exons	39..131, 40..132, 97..132, 108..188, 141..239, 170..241, 180..242, 208..243, 241..309, 242..310, 244..309, 316..363, 317..358, 344..400, 345..401, 354..401, 362..403, 382..609, 395..607		

Seq. No.	36983	Seq. ID	OJ990528_05.9C03.C3
Gene No.	76053	Strand	
Start	39	End	609
Name	OJ990528_05.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	257	End	608
GI	none	Score	41
Exons	257..301, 363..401, 389..607, 402..608		

Seq. No.	36983	Seq. ID	OJ990528_05.9C03.C3
Gene No.	76053	Strand	
Start	39	End	609
Name	OJ990528_05.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	368	End	608
GI	none	Score	249
Exons	368..607, 369..608		

Seq. No.	36984	Seq. ID	OJ990528_05.9C03.C4
Gene No.	76054	Strand	+
Start	1	End	349
Name	OJ990528_05.9C03.C4.o1.gp	Method	AAT/GAP
Start	1	End	349
GI	7587_1.R1084	Score	617
Exons	1..349		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	36984	Seq. ID	OJ990528_05.9C03.C4
Gene No.	76055	Strand	+
Start	404	End	701
Name	OJ990528_05.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	11	End	206
GI	none	Score	151
Exons	11..202, 27..200, 28..201, 41..202, 42..206		

Seq. No.	36984	Seq. ID	OJ990528_05.9C03.C4
Gene No.	76055	Strand	+
Start	404	End	701
Name	OJ990528_05.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	11	End	235
GI	none	Score	166
Exons	11..235, 28..198, 29..217		

Seq. No.	36984	Seq. ID	OJ990528_05.9C03.C4
Gene No.	76055	Strand	+
Start	404	End	701
Name	OJ990528_05.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	22	End	301
GI	none	Score	235

Exons 22..195, 27..236, 28..243, 30..236, 207..290, 229..300, 230..301

Seq. No.	36984	Seq. ID	OJ990528_05.9C03.C4
Gene No.	76055	Strand	+
Start	404	End	701
Name	OJ990528_05.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	30	End	238
GI	none	Score	242
Exons	30..209, 45..209, 206..238, 207..236		

Seq. No.	36984	Seq. ID	OJ990528_05.9C03.C4
Gene No.	76055	Strand	+
Start	404	End	701
Name	OJ990528_05.9C03.C4.o2.gp	Method	AAT/GAP
Start	404	End	701
GI	5607533	Score	548
Exons	404..701		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	36985	Seq. ID	OJ990528_05.9C03.C6
Gene No.	76056	Strand	+
Start	1	End	280
Name	OJ990528_05.9C03.C6.o1.gp	Method	AAT/GAP
Start	1	End	280
GI	306_9.R1084	Score	556
Exons	1..280		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	36985	Seq. ID	OJ990528_05.9C03.C6
Gene No.	76056	Strand	+
Start	1	End	280
Name	OJ990528_05.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	1	End	280
GI	none	Score	413
Exons	1..273, 2..274, 155..199, 156..200, 248..280, 249..278		

Seq. No.	36985	Seq. ID	OJ990528_05.9C03.C6
Gene No.	76056	Strand	+
Start	1	End	280
Name	OJ990528_05.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	280
GI	none	Score	482
Exons	1..279, 2..280, 2..280, 155..199, 156..200		

Seq. No.	36985	Seq. ID	OJ990528_05.9C03.C6
Gene No.	76056	Strand	+
Start	1	End	280
Name	OJ990528_05.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	280
GI	none	Score	37
Exons	2..88, 3..86, 59..157, 63..155, 185..223, 199..222, 223..279, 224..280, 225..278, 226..279		

Seq. No.	36986	Seq. ID	OJ990528_05.9C03.C7
Gene No.	76057	Strand	-

Start	99	End	924
Name	OJ990528_05.9C03.C7.o1.gp	Method	AAT/GAP
Start	99	End	924
GI	14384_1.R1084	Score	1358
Exons	99..127, 213..924		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	36986	Seq. ID	OJ990528_05.9C03.C7
Gene No.	76058	Strand	-
Start	1021	End	1242
Name	OJ990528_05.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	129	End	665
GI	none	Score	75
Exons	129..188, 131..184, 296..640, 296..643, 306..665, 450..656		

Seq. No.	36986	Seq. ID	OJ990528_05.9C03.C7
Gene No.	76058	Strand	-
Start	1021	End	1242
Name	OJ990528_05.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	260	End	1012
GI	none	Score	1095
Exons	260..1006, 266..1012, 310..1011		

Seq. No.	36986	Seq. ID	OJ990528_05.9C03.C7
Gene No.	76058	Strand	-
Start	1021	End	1242
Name	OJ990528_05.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	276	End	545
GI	none	Score	359
Exons	276..377, 278..544, 278..544, 414..545		

Seq. No.	36986	Seq. ID	OJ990528_05.9C03.C7
Gene No.	76058	Strand	-
Start	1021	End	1242
Name	OJ990528_05.9C03.C7.o2.tc	Method	TBLASTX:Cress
Start	628	End	775
GI	none	Score	198
Exons	628..774, 639..773, 653..775		

Seq. No.	36986	Seq. ID	OJ990528_05.9C03.C7
Gene No.	76058	Strand	-
Start	1021	End	1242
Name	OJ990528_05.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	718	End	1155
GI	none	Score	235
Exons	718..1080, 719..1081, 723..1079, 724..1080, 1108..1155		

Seq. No.	36986	Seq. ID	OJ990528_05.9C03.C7
Gene No.	76058	Strand	-
Start	1021	End	1242
Name	OJ990528_05.9C03.C7.o2.gp	Method	AAT/GAP
Start	1021	End	1242
GI	24824_1.R1084	Score	383
Exons	1021..1242		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A		

RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'

Seq. No.	36986	Seq. ID	OJ990528_05.9C03.C7
Gene No.	76058	Strand	-
Start	1021	End	1242
Name	OJ990528_05.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	1080	End	1242
GI	none	Score	175
Exons	1080..1211, 1080..1211, 1082..1213, 1087..1212, 1097..1216, 1213..1242, 1214..1240		

Seq. No.	36987	Seq. ID	OJ990528_05.9C03.C8
Gene No.	76059	Strand	
Start	54	End	312
Name	OJ990528_05.9C03.C8.o2.tc	Method	TBLASTX:Cress
Start	54	End	312
GI	none	Score	174
Exons	54..311, 54..305, 55..312, 107..310		

Seq. No.	36987	Seq. ID	OJ990528_05.9C03.C8
Gene No.	76059	Strand	
Start	54	End	312
Name	OJ990528_05.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	54	End	310
GI	none	Score	372
Exons	54..308, 55..309, 92..310		

Seq. No.	36987	Seq. ID	OJ990528_05.9C03.C8
Gene No.	76060	Strand	
Start	407	End	951
Name	OJ990528_05.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	407	End	951
GI	none	Score	227
Exons	407..586, 415..567, 417..587, 430..597, 549..731, 564..731, 568..753, 724..762, 773..910, 777..929, 777..911, 778..951, 784..948		

Seq. No.	36987	Seq. ID	OJ990528_05.9C03.C8
Gene No.	76060	Strand	
Start	407	End	951
Name	OJ990528_05.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	498	End	693
GI	none	Score	175
Exons	498..692, 498..692, 499..693		

Seq. No.	36988	Seq. ID	OJ990528_05.9C03.C9
Gene No.	76061	Strand	+
Start	1	End	330
Name	OJ990528_05.9C03.C9.o1.gp	Method	AAT/GAP
Start	1	End	330
GI	5607533	Score	509
Exons	1..330		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	36988	Seq. ID	OJ990528_05.9C03.C9
Gene No.	76062	Strand	-

Start	212	End	670
Name	OJ990528_05.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	20	End	635
GI	none	Score	77
Exons	20..109, 21..68, 22..69, 80..118, 207..305, 221..307, 222..305, 226..324, 262..576, 272..577, 308..580, 591..635, 596..634		

Seq. No.	36988	Seq. ID	OJ990528_05.9C03.C9
Gene No.	76062	Strand	-
Start	212	End	670
Name	OJ990528_05.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	21	End	550
GI	none	Score	45
Exons	21..59, 100..168, 131..163, 229..276, 229..258, 321..545, 326..550, 326..538, 327..539, 334..549		

Seq. No.	36988	Seq. ID	OJ990528_05.9C03.C9
Gene No.	76062	Strand	-
Start	212	End	670
Name	OJ990528_05.9C03.C9.o2.gp	Method	AAT/GAP
Start	212	End	670
GI	45273_1.R1084	Score	850
Exons	212..670		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	36988	Seq. ID	OJ990528_05.9C03.C9
Gene No.	76062	Strand	-
Start	212	End	670
Name	OJ990528_05.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	227	End	550
GI	none	Score	44
Exons	227..274, 318..542, 326..550, 326..538		

Seq. No.	36989	Seq. ID	OJ990528_05.9C03.C10
Gene No.	76063	Strand	
Start	21	End	168
Name	OJ990528_05.9C03.C10.o2.tm	Method	TBLASTX:Maize
Start	21	End	162
GI	none	Score	218
Exons	21..161, 21..161, 22..162, 22..162		

Seq. No.	36989	Seq. ID	OJ990528_05.9C03.C10
Gene No.	76063	Strand	
Start	21	End	168
Name	OJ990528_05.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	31	End	168
GI	none	Score	201
Exons	31..168, 32..136, 36..167		

Seq. No.	36989	Seq. ID	OJ990528_05.9C03.C10
Gene No.	76064	Strand	
Start	1023	End	1226
Name	OJ990528_05.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	1023	End	1226
GI	none	Score	172
Exons	1023..1166, 1033..1158, 1152..1226, 1153..1224		

Seq. No.	36990	Seq. ID	OJ990528_05.9C03.C11
Gene No.	76065	Strand	+
Start	2528	End	2912
Name	OJ990528_05.9C03.C11.o2.gp	Method	AAT/GAP
Start	2528	End	2912
GI	45273_1.R1084	Score	702
Exons	2528..2912		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	36990	Seq. ID	OJ990528_05.9C03.C11
Gene No.	76066	Strand	-
Start	1963	End	2150
Name	OJ990528_05.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	1036	End	1308
GI	none	Score	123
Exons	1036..1119, 1037..1120, 1069..1248, 1110..1250, 1113..1250, 1154..1258, 1218..1307, 1240..1308		

Seq. No.	36990	Seq. ID	OJ990528_05.9C03.C11
Gene No.	76066	Strand	-
Start	1963	End	2150
Name	OJ990528_05.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	1783	End	2150
GI	none	Score	64
Exons	1783..1842, 1786..1845, 1838..1993, 1841..1996, 1923..2000, 2124..2150		

Seq. No.	36990	Seq. ID	OJ990528_05.9C03.C11
Gene No.	76066	Strand	-
Start	1963	End	2150
Name	OJ990528_05.9C03.C11.o1.gp	Method	AAT/GAP
Start	1963	End	2136
GI	306_9.R1084	Score	240
Exons	1963..2136		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	36990	Seq. ID	OJ990528_05.9C03.C11
Gene No.	76067	Strand	
Start	2563	End	2912
Name	OJ990528_05.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	2563	End	2912
GI	none	Score	50
Exons	2563..2607, 2564..2602, 2618..2890, 2621..2902, 2622..2909, 2874..2912		

Seq. No.	36990	Seq. ID	OJ990528_05.9C03.C11
Gene No.	76067	Strand	
Start	2563	End	2912
Name	OJ990528_05.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	2648	End	2877
GI	none	Score	184
Exons	2648..2872, 2649..2864, 2653..2877, 2659..2871, 2660..2872		

Seq. No.	36990	Seq. ID	OJ990528_05.9C03.C11
Gene No.	76067	Strand	
Start	2563	End	2912

Name	OJ990528_05.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	2648	End	2880
GI	none	Score	294
Exons	2648..2872, 2656..2880, 2660..2872		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76068	Strand	+
Start	5227	End	5677
Name	OJ990528_05.9C03.C12.o3.gp	Method	AAT/GAP
Start	5227	End	5677
GI	uC-osflcyp086a01b1	Score	902
Exons	5227..5677		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-135 Rice complete chloroplast genome'		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76069	Strand	+
Start	5758	End	7004
Name	OJ990528_05.9C03.C12.o4.gp	Method	AAT/GAP
Start	5758	End	7004
GI	uC-osflcyp086a01a1	Score	851
Exons	5758..6003, 6814..7004		
GI Descrip.	'133806/sp|P25875|RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir__S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76070	Strand	+
Start	7598	End	7866
Name	OJ990528_05.9C03.C12.o5.gp	Method	AAT/GAP
Start	7598	End	7866
GI	40596_1.R1084	Score	450
Exons	7598..7866		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76071	Strand	+
Start	10312	End	10765
Name	OJ990528_05.9C03.C12.o6.gp	Method	AAT/GAP
Start	10312	End	10765
GI	24570_1.R1084	Score	908
Exons	10312..10765		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76072	Strand	+
Start	11129	End	11492
Name	OJ990528_05.9C03.C12.o7.gp	Method	AAT/GAP
Start	11129	End	11492

GI	5455469	Score	666
Exons	11129..11492		
GI Descrip.	131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76073	Strand	-
Start	39	End	927
Name	OJ990528_05.9C03.C12.o1.gp	Method	AAT/GAP
Start	39	End	927
GI	7587_1.R1084	Score	1663
Exons	39..927		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76074	Strand	-
Start	1023	End	1480
Name	OJ990528_05.9C03.C12.o2.gp	Method	AAT/GAP
Start	1023	End	1480
GI	2231_2.R1084	Score	844
Exons	1023..1480		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	65	End	4571
GI	none	Score	40
Exons	65..145, 186..1076, 187..1083, 689..1285, 697..1281, 791..1627, 1132..1623, 1340..1627, 4398..4571		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o8.tw	Method	TBLASTX:Wheat
Start	86	End	451
GI	none	Score	115
Exons	86..157, 86..181, 88..159, 150..449, 152..451, 152..451		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o6.tm	Method	TBLASTX:Maize
Start	150	End	612
GI	none	Score	44
Exons	150..182, 152..181, 177..611, 178..612, 193..612		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	153	End	4571
GI	none	Score	1326
Exons	153..1076, 190..1083, 689..1285, 703..1647, 1131..1298, 1132..1647, 4398..4571		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	452	End	4571
GI	none	Score	184
Exons	452..586, 453..569, 529..630, 530..643, 545..649, 549..1082, 549..1076, 550..1083, 697..1083, 791..1084, 4398..4571		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o4.tm	Method	TBLASTX:Maize
Start	613	End	4571
GI	none	Score	749
Exons	613..1083, 615..1076, 692..1099, 703..1098, 4398..4571		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o6.tw	Method	TBLASTX:Wheat
Start	1084	End	1482
GI	none	Score	208
Exons	1084..1281, 1085..1285, 1086..1481, 1137..1298, 1141..1482		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o5.tm	Method	TBLASTX:Maize
Start	1135	End	1584
GI	none	Score	697
Exons	1135..1584, 1137..1583		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	1645	End	11281
GI	none	Score	653
Exons	1645..2061, 1646..2068, 2053..2088, 10955..11053, 11165..11281		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o6.tc	Method	TBLASTX:Cress
Start	1720	End	11455
GI	none	Score	579

Exons	1720..1836, 11087..11455, 11087..11437		
Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o9.tc	Method	TBLASTX:Cress
Start	1837	End	2015
GI	none	Score	220
Exons	1837..1983, 1838..1990, 1841..2014, 1842..2015		
Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o2.ts	Method	TBLASTX:Soybean
Start	1855	End	11053
GI	none	Score	1194
Exons	1855..2676, 1856..2662, 10688..11053, 10847..11032		
Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o7.tm	Method	TBLASTX:Maize
Start	1880	End	11053
GI	none	Score	673
Exons	1880..2302, 1882..2307, 1882..2301, 10847..11053		
Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o3.tc	Method	TBLASTX:Cress
Start	2017	End	10999
GI	none	Score	46
Exons	2017..2202, 10332..10367, 10345..10770, 10364..10789, 10766..10996, 10772..10999		
Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o4.tc	Method	TBLASTX:Cress
Start	2242	End	2614
GI	none	Score	537
Exons	2242..2613, 2243..2614, 2243..2614		
Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o10.tw	Method	TBLASTX:Wheat
Start	2554	End	2927
GI	none	Score	190
Exons	2554..2670, 2554..2670, 2558..2674, 2686..2703, 2701..2826, 2701..2826, 2702..2827, 2706..2828, 2799..2834, 2813..2839, 2826..2870, 2827..2871, 2828..2875, 2828..2872, 2829..2885, 2876..2905, 2877..2924, 2878..2919, 2895..2927		
Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170

Name	OJ990528_05.9C03.C12.o15.tm	Method	TBLASTX:Maize
Start	2918	End	3158
GI	none	Score	58
Exons	2918..2983, 2928..2981, 2961..3014, 2971..3012, 2973..3017, 3019..3147, 3021..3158, 3022..3147		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o9.tw	Method	TBLASTX:Wheat
Start	2928	End	3483
GI	none	Score	55
Exons	2928..3002, 2933..3001, 2961..3047, 2971..3165, 2996..3118, 3007..3147, 3134..3259, 3144..3257, 3251..3322, 3258..3347, 3264..3338, 3296..3367, 3297..3347, 3308..3349, 3338..3421, 3341..3421, 3342..3434, 3343..3429, 3423..3452, 3424..3483		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o11.tm	Method	TBLASTX:Maize
Start	3160	End	3588
GI	none	Score	126
Exons	3160..3255, 3160..3255, 3162..3257, 3264..3326, 3264..3326, 3282..3404, 3284..3421, 3306..3422, 3423..3452, 3427..3507, 3458..3538, 3480..3536, 3521..3586, 3522..3587, 3523..3588		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o10.ts	Method	TBLASTX:Soybean
Start	3660	End	4397
GI	none	Score	177
Exons	3660..3755, 3796..3924, 3797..3925, 3798..3926, 3800..3925, 4278..4397, 4294..4395		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o12.tc	Method	TBLASTX:Cress
Start	3660	End	3940
GI	none	Score	47
Exons	3660..3686, 3660..3686, 3661..3687, 3784..3927, 3784..3927, 3797..3940		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o14.tm	Method	TBLASTX:Maize
Start	3933	End	4142
GI	none	Score	160
Exons	3933..4031, 3933..4040, 3934..4032, 3935..4045, 4006..4071, 4014..4070, 4025..4081, 4069..4140, 4070..4141, 4074..4142		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170

Name	OJ990528_05.9C03.C12.o12.tm	Method	TBLASTX:Maize
Start	4143	End	4707
GI	none	Score	79
Exons	4143..4193, 4143..4193, 4179..4241, 4179..4244, 4180..4242, 4181..4243, 4243..4395, 4247..4396, 4248..4397, 4248..4397, 4571..4699, 4572..4700, 4573..4707		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o12.tw	Method	TBLASTX:Wheat
Start	4617	End	4906
GI	none	Score	83
Exons	4617..4691, 4620..4691, 4621..4695, 4624..4722, 4800..4901, 4803..4901, 4805..4903, 4817..4906		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o8.tm	Method	TBLASTX:Maize
Start	5778	End	6407
GI	none	Score	64
Exons	5778..5822, 5781..5828, 5823..5855, 5825..5866, 5854..5892, 5877..6131, 5879..6157, 5885..6145, 6119..6253, 6130..6267, 6133..6300, 6177..6320, 6271..6303, 6312..6407, 6323..6406		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o9.ts	Method	TBLASTX:Soybean
Start	5887	End	7010
GI	none	Score	38
Exons	5887..5910, 5891..5911, 5935..6024, 5936..6025, 5951..6025, 6017..6067, 6022..6081, 6056..6109, 6056..6118, 6129..6167, 6130..6168, 6131..6169, 6172..6273, 6187..6294, 6258..6317, 6401..6430, 6412..6444, 6447..6497, 6448..6489, 6495..6542, 6702..6800, 6712..6804, 6738..6809, 6771..7010, 6781..6993, 6782..7009		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o11.tc	Method	TBLASTX:Cress
Start	6748	End	6935
GI	none	Score	230
Exons	6748..6843, 6749..6934, 6756..6935		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o16.tm	Method	TBLASTX:Maize
Start	7239	End	7613
GI	none	Score	65
Exons	7239..7292, 7289..7384, 7289..7348, 7290..7385, 7297..7395, 7375..7419, 7413..7493, 7417..7494, 7418..7477, 7467..7505, 7478..7516, 7481..7519, 7508..7573, 7533..7574, 7570..7611, 7571..7612, 7572..7613		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o10.tc	Method	TBLASTX:Cress
Start	7579	End	8126
GI	none	Score	157
Exons	7579..7728, 7587..7730, 7588..7728, 7717..7758, 7717..7743, 7719..7757, 7783..7827, 7809..7922, 7834..7926, 7846..7932, 7850..7933, 7850..7942, 8026..8061, 8027..8071, 8031..8072, 8034..8072, 8073..8114, 8074..8121, 8076..8126		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o13.tm	Method	TBLASTX:Maize
Start	7614	End	7874
GI	none	Score	209
Exons	7614..7766, 7614..7814, 7615..7794, 7759..7854, 7785..7862, 7851..7874		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o13.tc	Method	TBLASTX:Cress
Start	8314	End	8667
GI	none	Score	116
Exons	8314..8427, 8315..8428, 8316..8429, 8457..8567, 8459..8566, 8462..8614, 8464..8586, 8588..8656, 8602..8667		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o7.ts	Method	TBLASTX:Soybean
Start	8314	End	8860
GI	none	Score	60
Exons	8314..8445, 8457..8567, 8460..8591, 8462..8593, 8582..8656, 8596..8649, 8663..8860, 8670..8846, 8684..8851		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o8.tc	Method	TBLASTX:Cress
Start	8673	End	9155
GI	none	Score	62
Exons	8673..8744, 8673..8852, 8674..8865, 8678..8917, 8687..8920, 8935..8994, 8936..9001, 8936..9004, 8992..9153, 8999..9154, 9111..9155		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o4.tw	Method	TBLASTX:Wheat
Start	8735	End	9115
GI	none	Score	590
Exons	8735..9115, 8735..9112, 8836..9114		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o8.ts	Method	TBLASTX:Soybean
Start	8883	End	9330
GI	none	Score	43
Exons	8883..8939, 8889..9032, 8923..9066, 8930..9076, 9070..9189, 9081..9329, 9119..9328, 9145..9330		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o10.tm	Method	TBLASTX:Maize
Start	9283	End	9549
GI	none	Score	415
Exons	9283..9549, 9284..9547		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o5.tw	Method	TBLASTX:Wheat
Start	9381	End	9777
GI	none	Score	46
Exons	9381..9407, 9382..9408, 9403..9777, 9404..9775		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o6.ts	Method	TBLASTX:Soybean
Start	9468	End	9838
GI	none	Score	109
Exons	9468..9593, 9475..9600, 9479..9595, 9587..9838, 9589..9834		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o3.tm	Method	TBLASTX:Maize
Start	10308	End	10804
GI	none	Score	267
Exons	10308..10802, 10311..10487, 10313..10804, 10315..10803		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o5.ts	Method	TBLASTX:Soybean
Start	10308	End	10623
GI	none	Score	174
Exons	10308..10487, 10318..10623, 10319..10621, 10327..10623		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o8.gp	Method	AAT/GAP
Start	11516	End	11944
GI	3073_1.R1084	Score	820
Exons	11516..11944		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL		

PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o9.tm	Method	TBLASTX:Maize
Start	11532	End	11961
GI	none	Score	348
Exons	11532..11750, 11551..11865, 11560..11829, 11567..11866, 11796..11870, 11802..11870, 11831..11920, 11857..11916, 11859..11960, 11859..11960, 11872..11961		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o3.ts	Method	TBLASTX:Soybean
Start	11595	End	13326
GI	none	Score	180
Exons	11595..11747, 11599..11832, 11609..11833, 11609..11833, 11837..11863, 11838..11861, 12058..12402, 12111..12401, 12112..12441, 12167..12406, 12347..12556, 12374..12571, 12474..12572, 12540..12650, 12557..12592, 12596..12655, 12596..12688, 12647..12691, 12649..12690, 12650..12691, 12691..12870, 12693..12869, 12694..12921, 12875..12952, 12876..12953, 12931..13326, 12945..13238		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o5.tc	Method	TBLASTX:Cress
Start	11734	End	12542
GI	none	Score	92
Exons	11734..11832, 11735..11833, 11737..11826, 11972..12022, 11973..12023, 11973..12050, 11974..12030, 12024..12053, 12024..12053, 12025..12054, 12110..12277, 12111..12230, 12112..12279, 12112..12282, 12167..12283, 12293..12541, 12297..12536, 12305..12541, 12474..12542		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	12143	End	12966
GI	none	Score	664
Exons	12143..12610, 12167..12592, 12474..12611, 12549..12785, 12553..12963, 12587..12964, 12595..12966		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o7.tw	Method	TBLASTX:Wheat
Start	12283	End	12590
GI	none	Score	448
Exons	12283..12588, 12284..12589, 12284..12589, 12474..12590		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o2.tc	Method	TBLASTX:Cress
Start	12877	End	14094
GI	none	Score	251
Exons	12877..13050, 12877..13071, 12953..13084, 13071..13187, 13072..13191, 13195..13404, 13197..13910, 13200..13910, 13897..13995, 13907..14002, 13915..14001, 13929..14003, 14004..14084, 14008..14094, 14009..14092		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	13195	End	13972
GI	none	Score	304
Exons	13195..13404, 13197..13445, 13200..13445, 13274..13447, 13381..13446, 13440..13970, 13448..13972, 13449..13970		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o4.ts	Method	TBLASTX:Soybean
Start	13327	End	13904
GI	none	Score	107
Exons	13327..13404, 13329..13904, 13332..13898		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o3.tw	Method	TBLASTX:Wheat
Start	13566	End	13942
GI	none	Score	598
Exons	13566..13940, 13566..13940, 13567..13941, 13567..13941, 13640..13942		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76075	Strand	-
Start	11516	End	14170
Name	OJ990528_05.9C03.C12.o11.tw	Method	TBLASTX:Wheat
Start	13943	End	14170
GI	none	Score	104
Exons	13943..14002, 13945..14001, 14009..14170, 14024..14170		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76076	Strand	
Start	14324	End	14732
Name	OJ990528_05.9C03.C12.o7.tc	Method	TBLASTX:Cress
Start	14324	End	14732
GI	none	Score	61
Exons	14324..14368, 14328..14363, 14355..14516, 14369..14518, 14370..14516, 14480..14518, 14503..14598, 14513..14599, 14513..14626, 14514..14600, 14601..14732, 14603..14683, 14610..14690		

Seq. No.	36991	Seq. ID	OJ990528_05.9C03.C12
Gene No.	76077	Strand	
Start	14680	End	14859
Name	OJ990528_05.9C03.C12.o11.ts	Method	TBLASTX:Soybean
Start	14680	End	14859
GI	none	Score	52
Exons	14680..14709, 14682..14705, 14715..14855, 14718..14855, 14719..14859		

Seq. No.	36992	Seq. ID	OJ990528_05.9C03.C13
Gene No.	76078	Strand	
Start	863	End	1637
Name	OJ990528_05.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	863	End	1349
GI	none	Score	92
Exons	863..940, 863..940, 864..941, 941..985, 942..998, 942..998, 973..1053, 978..1055, 980..1057, 989..1051, 1005..1070, 1015..1056, 1015..1083, 1016..1057, 1043..1063, 1068..1118, 1068..1109, 1069..1161, 1069..1119, 1108..1347, 1115..1348, 1167..1349		

Seq. No.	36992	Seq. ID	OJ990528_05.9C03.C13
Gene No.	76078	Strand	
Start	863	End	1637
Name	OJ990528_05.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	1144	End	1637
GI	none	Score	684
Exons	1144..1635, 1154..1552, 1156..1635, 1302..1637, 1515..1637		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o4.ts	Method	TBLASTX:Soybean
Start	70	End	392
GI	none	Score	266
Exons	70..258, 72..257, 73..258, 245..322, 245..319, 262..321, 275..391, 277..390, 306..392, 306..392		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o3.tm	Method	TBLASTX:Maize
Start	337	End	461
GI	none	Score	132
Exons	337..423, 338..424, 341..439, 342..440, 342..461		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o2.tm	Method	TBLASTX:Maize
Start	475	End	829
GI	none	Score	564
Exons	475..792, 476..829, 478..828		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933

Name	OJ990528_05.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	505	End	1229
GI	none	Score	59
Exons	505..552, 508..549, 548..778, 552..797, 553..792, 803..1111, 804..1049, 850..1050, 1047..1109, 1066..1110, 1102..1224, 1104..1229, 1104..1229		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o3.tc	Method	TBLASTX:Cress
Start	517	End	1039
GI	none	Score	47
Exons	517..552, 520..549, 548..778, 552..797, 553..780, 802..924, 803..916, 804..938, 850..918, 916..942, 932..1039, 934..1026		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o1.gp	Method	AAT/GAP
Start	742	End	2711
GI	183_5.R1084	Score	2762
Exons	742..1126, 1667..2711		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	831	End	2709
GI	none	Score	748
Exons	831..1301, 832..2268, 850..2262, 1796..2269, 2177..2278, 2324..2407, 2325..2408, 2350..2409, 2402..2701, 2404..2709, 2407..2709		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o3.tw	Method	TBLASTX:Wheat
Start	906	End	1125
GI	none	Score	99
Exons	906..1016, 909..989, 910..993, 973..1104, 974..1087, 975..1088, 1092..1124, 1093..1125		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o4.tc	Method	TBLASTX:Cress
Start	1086	End	1246
GI	none	Score	194
Exons	1086..1241, 1097..1207, 1099..1242, 1105..1245, 1106..1246		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o2.ts	Method	TBLASTX:Soybean
Start	1231	End	1633
GI	none	Score	178
Exons	1231..1353, 1232..1354, 1366..1479, 1366..1479, 1452..1631, 1478..1633, 1480..1632		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	1501	End	1911
GI	none	Score	42
Exons	1501..1560, 1552..1911, 1567..1908		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o2.tc	Method	TBLASTX:Cress
Start	1520	End	2269
GI	none	Score	709
Exons	1520..2008, 1521..1991, 1521..2042, 1522..1998, 1522..2043, 1993..2109, 1997..2110, 1998..2024, 2001..2117, 2002..2118, 2054..2122, 2086..2160, 2124..2171, 2161..2235, 2177..2245, 2187..2231, 2217..2261, 2221..2262, 2227..2268, 2249..2269		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o3.ts	Method	TBLASTX:Soybean
Start	1791	End	2904
GI	none	Score	249
Exons	1791..1988, 1791..1991, 1792..1998, 1975..2097, 2007..2102, 2008..2097, 2054..2104, 2061..2108, 2124..2159, 2128..2160, 2157..2201, 2160..2201, 2167..2202, 2190..2252, 2325..2390, 2327..2392, 2385..2411, 2386..2412, 2419..2523, 2446..2523, 2531..2623, 2550..2606, 2638..2676, 2737..2895, 2738..2893, 2739..2903, 2764..2904		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o5.tc	Method	TBLASTX:Cress
Start	2329	End	2550
GI	none	Score	40
Exons	2329..2364, 2354..2395, 2366..2398, 2388..2525, 2389..2532, 2390..2521, 2391..2522, 2527..2550		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o1.tc	Method	TBLASTX:Cress
Start	2550	End	3933
GI	none	Score	110
Exons	2550..2645, 2551..2646, 2622..2675, 2644..2670, 2737..2883,		

2744..2875, 2778..2876, 2840..2911, 2930..3007, 2931..3011,
2932..3012, 3004..3075, 3007..3075, 3008..3076, 3031..3138,
3045..3113, 3077..3139, 3135..3266, 3155..3271, 3157..3264,
3211..3318, 3279..3323, 3336..3368, 3337..3369, 3338..3382,
3377..3427, 3410..3523, 3424..3525, 3424..3516, 3426..3524,
3550..3609, 3552..3611, 3563..3616, 3618..3734, 3620..3736,
3704..3829, 3713..3820, 3732..3827, 3736..3828, 3742..3834,
3828..3854, 3828..3854, 3829..3855, 3832..3867, 3856..3933,
3858..3932

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o4.tm	Method	TBLASTX:Maize
Start	3558	End	3686
GI	none	Score	90
Exons	3558..3677, 3559..3684, 3560..3682, 3561..3686		

Seq. No.	36993	Seq. ID	OJ990528_05.9C03.C14
Gene No.	76079	Strand	-
Start	742	End	3933
Name	OJ990528_05.9C03.C14.o2.tw	Method	TBLASTX:Wheat
Start	3638	End	3933
GI	none	Score	76
Exons	3638..3733, 3638..3715, 3704..3775, 3713..3775, 3732..3776, 3745..3786, 3749..3835, 3771..3836, 3822..3899, 3839..3895, 3840..3896, 3898..3933, 3900..3932		

Seq. No.	36994	Seq. ID	OJ990528_05.9C03.C15
Gene No.	76080	Strand	
Start	155	End	434
Name	OJ990528_05.9C03.C15.o1.ts	Method	TBLASTX:Soybean
Start	155	End	434
GI	none	Score	260
Exons	155..430, 156..434, 345..434		

Seq. No.	36994	Seq. ID	OJ990528_05.9C03.C15
Gene No.	76080	Strand	
Start	155	End	434
Name	OJ990528_05.9C03.C15.o1.tc	Method	TBLASTX:Cress
Start	230	End	434
GI	none	Score	201
Exons	230..430, 231..434, 345..434		

Seq. No.	36994	Seq. ID	OJ990528_05.9C03.C15
Gene No.	76080	Strand	
Start	155	End	434
Name	OJ990528_05.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	257	End	434
GI	none	Score	152
Exons	257..430, 258..434, 345..434		

Seq. No.	36995	Seq. ID	OJ990528_05.9C03.C16
Gene No.	76081	Strand	
Start	19	End	816
Name	OJ990528_05.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	19	End	723

GI	none	Score	235
Exons	19..243, 38..445, 39..497, 499..600, 501..722, 501..722, 580..723		

Seq. No.	36995	Seq. ID	OJ990528_05.9C03.C16
Gene No.	76081	Strand	
Start	19	End	816
Name	OJ990528_05.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	114	End	816
GI	none	Score	405
Exons	114..497, 115..144, 116..445, 504..815, 532..816	187..492, 493..600, 503..598,	

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76082	Strand	-
Start	44	End	485
Name	OJ990528_05.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	2	End	278
GI	none	Score	186
Exons	2..124, 2..103, 3..110, 116..181, 121..186, 138..203, 157..195, 198..224, 199..225, 221..277, 232..276, 236..277, 237..278		

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76082	Strand	-
Start	44	End	485
Name	OJ990528_05.9C03.C17.o4.ts	Method	TBLASTX:Soybean
Start	2	End	412
GI	none	Score	130
Exons	2..97, 8..97, 229..402, 235..402, 236..409, 257..412		

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76082	Strand	-
Start	44	End	485
Name	OJ990528_05.9C03.C17.o1.gp	Method	AAT/GAP
Start	44	End	485
GI	LIB3431-005-P1-N1-A5	Score	869
Exons	44..485		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76083	Strand	
Start	1211	End	1702
Name	OJ990528_05.9C03.C17.o1.tc	Method	TBLASTX:Cress
Start	1211	End	1702
GI	none	Score	455
Exons	1211..1702, 1212..1628, 1372..1698		

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76083	Strand	
Start	1211	End	1702
Name	OJ990528_05.9C03.C17.o3.ts	Method	TBLASTX:Soybean

Start	1298	End	1540
GI	none	Score	315
Exons	1298..1540, 1299..1538, 1364..1540		

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76084	Strand	
Start	1781	End	2291
Name	OJ990528_05.9C03.C17.o2.tc	Method	TBLASTX:Cress
Start	1781	End	2174
GI	none	Score	464
Exons	1781..2173, 1782..2174, 1800..2165		

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76084	Strand	
Start	1781	End	2291
Name	OJ990528_05.9C03.C17.o1.ts	Method	TBLASTX:Soybean
Start	1907	End	2291
GI	none	Score	457
Exons	1907..2290, 1908..2291, 1911..2291		

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76085	Strand	
Start	2349	End	2677
Name	OJ990528_05.9C03.C17.o3.tc	Method	TBLASTX:Cress
Start	2349	End	2677
GI	none	Score	278
Exons	2349..2663, 2363..2662, 2612..2677		

Seq. No.	36996	Seq. ID	OJ990528_05.9C03.C17
Gene No.	76085	Strand	
Start	2349	End	2677
Name	OJ990528_05.9C03.C17.o2.ts	Method	TBLASTX:Soybean
Start	2370	End	2656
GI	none	Score	269
Exons	2370..2654, 2370..2651, 2372..2656		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76086	Strand	
Start	1587	End	2543
Name	OJ990528_05.9C03.C18.o1.ts	Method	TBLASTX:Soybean
Start	1587	End	2542
GI	none	Score	72
Exons	1587..1676, 1588..1623, 1592..1624, 1674..1874, 1681..1875, 1684..1878, 1873..2037, 1878..2057, 1915..2115, 1917..2081, 2158..2424, 2166..2540, 2170..2541, 2456..2542		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76086	Strand	
Start	1587	End	2543
Name	OJ990528_05.9C03.C18.o3.tc	Method	TBLASTX:Cress
Start	1906	End	2543
GI	none	Score	116
Exons	1906..2037, 1908..2084, 1915..2112, 1917..2084, 2183..2272, 2197..2274, 2211..2297, 2313..2543, 2314..2541, 2361..2543		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76087	Strand	

Start	2687	End	3217
Name	OJ990528_05.9C03.C18.o2.tm	Method	TBLASTX:Maize
Start	2687	End	3138
GI	none	Score	585
Exons	2687..3136, 2714..3136, 2716..3138		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76087	Strand	
Start	2687	End	3217
Name	OJ990528_05.9C03.C18.o2.tc	Method	TBLASTX:Cress
Start	2759	End	3217
GI	none	Score	349
Exons	2759..3217, 2862..3215		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76087	Strand	
Start	2687	End	3217
Name	OJ990528_05.9C03.C18.o4.ts	Method	TBLASTX:Soybean
Start	2804	End	3058
GI	none	Score	219
Exons	2804..3040, 2806..2937, 2807..3058, 2812..3042, 2868..3056		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76088	Strand	
Start	3269	End	3886
Name	OJ990528_05.9C03.C18.o1.tc	Method	TBLASTX:Cress
Start	3269	End	3808
GI	none	Score	345
Exons	3269..3712, 3270..3719, 3314..3727, 3336..3716, 3433..3723, 3698..3808		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76088	Strand	
Start	3269	End	3886
Name	OJ990528_05.9C03.C18.o2.ts	Method	TBLASTX:Soybean
Start	3338	End	3839
GI	none	Score	43
Exons	3338..3838, 3339..3377, 3414..3839		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76088	Strand	
Start	3269	End	3886
Name	OJ990528_05.9C03.C18.o3.tm	Method	TBLASTX:Maize
Start	3443	End	3886
GI	none	Score	65
Exons	3443..3598, 3444..3584, 3692..3886, 3693..3830		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76089	Strand	
Start	3809	End	4115
Name	OJ990528_05.9C03.C18.o6.tc	Method	TBLASTX:Cress
Start	3809	End	4090
GI	none	Score	206
Exons	3809..3970, 3810..3968, 3969..4082, 3970..4083, 3970..4083, 3977..4090, 4016..4090		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18

Gene No.	76089	Strand	
Start	3809	End	4115
Name	OJ990528_05.9C03.C18.o5.ts	Method	TBLASTX:Soybean
Start	3840	End	4115
GI	none	Score	291
Exons	3840..4115, 3841..3936, 3872..4108		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76090	Strand	
Start	4116	End	5617
Name	OJ990528_05.9C03.C18.o3.ts	Method	TBLASTX:Soybean
Start	4116	End	5617
GI	none	Score	106
Exons	4116..4259, 4122..4256, 4133..4258, 4258..4299, 4259..4303, 4341..4619, 4351..4632, 4352..4654, 4692..4745, 4695..4739, 4772..4807, 5064..5405, 5065..5406, 5068..5406, 5084..5407, 5183..5416, 5546..5617		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76090	Strand	
Start	4116	End	5617
Name	OJ990528_05.9C03.C18.o4.tc	Method	TBLASTX:Cress
Start	4116	End	4633
GI	none	Score	158
Exons	4116..4259, 4118..4258, 4259..4276, 4346..4435, 4357..4434, 4429..4632, 4430..4633, 4430..4633		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76090	Strand	
Start	4116	End	5617
Name	OJ990528_05.9C03.C18.o1.tm	Method	TBLASTX:Maize
Start	4423	End	4870
GI	none	Score	603
Exons	4423..4482, 4452..4868, 4453..4869, 4454..4870, 4454..4870		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76090	Strand	
Start	4116	End	5617
Name	OJ990528_05.9C03.C18.o1.tw	Method	TBLASTX:Wheat
Start	4640	End	4876
GI	none	Score	65
Exons	4640..4684, 4640..4684, 4683..4736, 4684..4737, 4688..4738, 4694..4741, 4740..4829, 4750..4821, 4824..4868, 4825..4875, 4825..4875, 4829..4876		

Seq. No.	36997	Seq. ID	OJ990528_05.9C03.C18
Gene No.	76090	Strand	
Start	4116	End	5617
Name	OJ990528_05.9C03.C18.o5.tc	Method	TBLASTX:Cress
Start	5082	End	5407
GI	none	Score	309
Exons	5082..5405, 5083..5406, 5177..5407, 5183..5407		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76091	Strand	+
Start	4222	End	4594
Name	OJ990528_05.9C03.C19.o2.gp	Method	AAT/GAP

Start	4222	End	4594
GI	LIB3431-005-P1-N1-A5	Score	695
Exons	4222..4594		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76092	Strand	-
Start	2069	End	2271
Name	OJ990528_05.9C03.C19.o1.gp	Method	AAT/GAP
Start	2069	End	2271
GI	6012822	Score	337
Exons	2069..2271		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o3.ts	Method	TBLASTX:Soybean
Start	593	End	843
GI	none	Score	128
Exons	593..718, 593..718, 595..726, 604..726, 717..842, 718..843, 719..841		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o4.ts	Method	TBLASTX:Soybean
Start	845	End	1040
GI	none	Score	196
Exons	845..1033, 846..1034, 846..1040		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o1.tc	Method	TBLASTX:Cress
Start	945	End	3349
GI	none	Score	137
Exons	945..1073, 945..1064, 947..1120, 1138..1338, 1141..1332, 1176..1373, 1325..1543, 1330..1668, 1331..1675, 1332..1670, 1332..1676, 1598..1678, 2646..2870, 2665..3072, 2666..3124, 3126..3227, 3128..3349, 3128..3349		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o2.ts	Method	TBLASTX:Soybean
Start	1133	End	2663
GI	none	Score	306
Exons	1133..1555, 1135..1677, 1135..1755, 1158..1769, 1176..1775, 1711..1770, 1850..1885, 1886..1921, 1937..1975, 2133..2216, 2139..2213, 2146..2214, 2295..2357, 2308..2376, 2310..2342,		

2408..2440, 2410..2445, 2493..2555, 2494..2532, 2540..2590, 2541..2663

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o1.ts	Method	TBLASTX:Soybean
Start	2741	End	4784
GI	none	Score	405
Exons	2741..3124, 2743..3072, 2814..3119, 3120..3227, 3130..3225, 3131..4402, 3159..4403, 3885..4409, 4540..4722, 4541..4765, 4542..4772, 4548..4784		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o2.tc	Method	TBLASTX:Cress
Start	3461	End	3916
GI	none	Score	138
Exons	3461..3616, 3464..3841, 3468..3842, 3852..3914, 3854..3916		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o3.tm	Method	TBLASTX:Maize
Start	4360	End	4644
GI	none	Score	58
Exons	4360..4401, 4361..4417, 4361..4402, 4413..4439, 4414..4440, 4435..4500, 4443..4481, 4452..4517, 4457..4522, 4506..4643, 4514..4606, 4528..4644, 4534..4644		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o3.gp	Method	AAT/GAP
Start	4741	End	5175
GI	5886_1.R1084	Score	840
Exons	4741..5175		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76093	Strand	-
Start	4741	End	5175
Name	OJ990528_05.9C03.C19.o2.tm	Method	TBLASTX:Maize
Start	4855	End	5125
GI	none	Score	107
Exons	4855..4914, 4855..4914, 4856..4915, 4903..5124, 4904..5125, 4956..5006, 4956..5003, 5012..5125		

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76094	Strand	
Start	6564	End	6887
Name	OJ990528_05.9C03.C19.o5.ts	Method	TBLASTX:Soybean
Start	6564	End	6887
GI	none	Score	79
Exons	6564..6647, 6566..6646, 6650..6736, 6651..6737, 6651..6740,		

6653..6742, 6835..6885, 6837..6887, 6837..6887

Seq. No.	36998	Seq. ID	OJ990528_05.9C03.C19
Gene No.	76094	Strand	
Start	6564	End	6887
Name	OJ990528_05.9C03.C19.o1.tm	Method	TBLASTX:Maize
Start	6578	End	6858
GI	none	Score	104
Exons	6578..6652, 6579..6650, 6579..6653, 6580..6651, 6631..6858, 6632..6856, 6649..6858		

Seq. No.	36999	Seq. ID	OJ990528_05.9C03.C20
Gene No.	76095	Strand	
Start	1	End	260
Name	OJ990528_05.9C03.C20.o2.tm	Method	TBLASTX:Maize
Start	1	End	231
GI	none	Score	44
Exons	1..24, 4..231, 5..229, 22..231		

Seq. No.	36999	Seq. ID	OJ990528_05.9C03.C20
Gene No.	76095	Strand	
Start	1	End	260
Name	OJ990528_05.9C03.C20.o1.ts	Method	TBLASTX:Soybean
Start	23	End	260
GI	none	Score	149
Exons	23..109, 24..110, 24..113, 26..115, 208..258, 210..260, 210..260		

Seq. No.	36999	Seq. ID	OJ990528_05.9C03.C20
Gene No.	76096	Strand	
Start	192	End	697
Name	OJ990528_05.9C03.C20.o1.tc	Method	TBLASTX:Cress
Start	192	End	697
GI	none	Score	76
Exons	192..248, 194..247, 195..269, 257..307, 258..308, 341..520, 343..519, 344..538, 495..602, 495..587, 521..598, 650..697, 659..697		

Seq. No.	36999	Seq. ID	OJ990528_05.9C03.C20
Gene No.	76097	Strand	
Start	634	End	946
Name	OJ990528_05.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	634	End	946
GI	none	Score	338
Exons	634..849, 639..848, 650..931, 840..944, 846..944, 847..945, 911..946		

Seq. No.	36999	Seq. ID	OJ990528_05.9C03.C20
Gene No.	76097	Strand	
Start	634	End	946
Name	OJ990528_05.9C03.C20.o1.tw	Method	TBLASTX:Wheat
Start	645	End	864
GI	none	Score	325
Exons	645..863, 645..863, 646..864		

Seq. No.	37000	Seq. ID	OJ990528_05.9C03.C21
Gene No.	76098	Strand	
Start	309	End	737

Name	OJ990528_05.9C03.C21.o1.ts	Method	TBLASTX:Soybean
Start	309	End	737
GI	none	Score	249
Exons	309..635, 312..596, 313..624, 694..735	323..652, 505..642, 693..737,	

Seq. No.	37000	Seq. ID	OJ990528_05.9C03.C21
Gene No.	76098	Strand	
Start	309	End	737
Name	OJ990528_05.9C03.C21.o1.tc	Method	TBLASTX:Cress
Start	390	End	737
GI	none	Score	227
Exons	390..626, 391..624, 392..640,	687..737, 693..734, 694..735	

Seq. No.	37000	Seq. ID	OJ990528_05.9C03.C21
Gene No.	76098	Strand	
Start	309	End	737
Name	OJ990528_05.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	416	End	737
GI	none	Score	215
Exons	416..652, 416..622, 417..635,	505..642, 693..737, 694..735	

Seq. No.	37001	Seq. ID	OJ990528_05.9C03.C22
Gene No.	76099	Strand	
Start	1	End	478
Name	OJ990528_05.9C03.C22.o1.tc	Method	TBLASTX:Cress
Start	1	End	478
GI	none	Score	771
Exons	1..477, 2..478		

Seq. No.	37001	Seq. ID	OJ990528_05.9C03.C22
Gene No.	76099	Strand	
Start	1	End	478
Name	OJ990528_05.9C03.C22.o2.tw	Method	TBLASTX:Wheat
Start	1	End	154
GI	none	Score	58
Exons	1..150, 1..153, 2..154		

Seq. No.	37001	Seq. ID	OJ990528_05.9C03.C22
Gene No.	76099	Strand	
Start	1	End	478
Name	OJ990528_05.9C03.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	478
GI	none	Score	774
Exons	1..477, 2..478		

Seq. No.	37001	Seq. ID	OJ990528_05.9C03.C22
Gene No.	76099	Strand	
Start	1	End	478
Name	OJ990528_05.9C03.C22.o1.tm	Method	TBLASTX:Maize
Start	71	End	478
GI	none	Score	672
Exons	71..478, 73..474		

Seq. No.	37001	Seq. ID	OJ990528_05.9C03.C22
Gene No.	76099	Strand	
Start	1	End	478

Name	OJ990528_05.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	242	End	478
GI	none	Score	279
Exons	242..478, 265..468, 269..478		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76100	Strand	+
Start	1513	End	2482
Name	OJ990528_05.9C03.C23.o1.gp	Method	AAT/GAP
Start	1513	End	2482
GI	2409_1.R1084	Score	1911
Exons	1513..2482		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76101	Strand	+
Start	6319	End	6434
Name	OJ990528_05.9C03.C23.o3.gp	Method	AAT/GAP
Start	6319	End	6434
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	6319..6434		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o5.tc	Method	TBLASTX:Cress
Start	2	End	427
GI	none	Score	102
Exons	2..91, 2..97, 3..122, 3..101, 89..172, 93..332, 99..260, 103..333, 103..267, 257..427		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o5.ts	Method	TBLASTX:Soybean
Start	3	End	332
GI	none	Score	352
Exons	3..332, 3..242, 257..331		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o5.tm	Method	TBLASTX:Maize
Start	10	End	394
GI	none	Score	72
Exons	10..57, 11..79, 47..172, 63..281, 64..393, 64..354, 257..394		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586

Name	OJ990528_05.9C03.C23.o3.tm	Method	TBLASTX:Maize
Start	562	End	1194
GI	none	Score	51
Exons	562..627, 612..866, 659..865, 860..913, 861..1193, 862..1194, 863..1192		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o6.ts	Method	TBLASTX:Soybean
Start	702	End	1371
GI	none	Score	83
Exons	702..767, 710..769, 713..784, 840..872, 842..871, 966..1001, 966..1001, 1003..1071, 1011..1043, 1025..1096, 1049..1162, 1081..1179, 1089..1163, 1098..1232, 1185..1214, 1213..1287, 1221..1307, 1225..1299, 1251..1370, 1266..1331, 1267..1371, 1283..1369		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o6.tc	Method	TBLASTX:Cress
Start	794	End	1350
GI	none	Score	44
Exons	794..832, 842..871, 878..1102, 939..1004, 989..1096, 1089..1151, 1110..1148, 1179..1229, 1210..1287, 1215..1286, 1225..1287, 1281..1322, 1281..1331, 1282..1350, 1283..1348		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o1.tm	Method	TBLASTX:Maize
Start	1279	End	3981
GI	none	Score	175
Exons	1279..1392, 1280..1390, 1371..1397, 1392..1454, 1394..1453, 1439..1561, 1453..1554, 1488..1610, 1533..1577, 1582..1644, 1582..1629, 1584..1646, 1676..1699, 1677..1703, 1692..1748, 1696..1749, 1697..1744, 1720..1749, 1726..1770, 1779..1961, 1780..1962, 1795..1962, 1806..1967, 1964..2170, 1964..2449, 1965..2465, 2176..2487, 2470..3021, 2490..3020, 2491..3021, 2501..3025, 2639..3022, 2991..3182, 2998..3213, 3008..3217, 3010..3174, 3011..3181, 3186..3224, 3204..3863, 3222..3857, 3860..3928, 3861..3932, 3889..3918, 3921..3980, 3930..3980, 3931..3981, 3931..3981		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o4.tc	Method	TBLASTX:Cress
Start	2063	End	2462
GI	none	Score	101
Exons	2063..2413, 2065..2130, 2067..2381, 2069..2413, 2206..2415, 2430..2462		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586

Name	OJ990528_05.9C03.C23.o4.ts	Method	TBLASTX:Soybean
Start	2123	End	2456
GI	none	Score	438
Exons	2123..2455, 2124..2453, 2181..2456		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o1.ts	Method	TBLASTX:Soybean
Start	2458	End	3142
GI	none	Score	584
Exons	2458..3141, 2494..3141, 2501..3142		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o1.tc	Method	TBLASTX:Cress
Start	2493	End	3210
GI	none	Score	333
Exons	2493..2807, 2494..2922, 2501..2923, 2917..2973, 2918..3184, 2960..3031, 3021..3185, 3022..3210		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o1.tw	Method	TBLASTX:Wheat
Start	2524	End	3055
GI	none	Score	844
Exons	2524..3054, 2525..3055		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o2.ts	Method	TBLASTX:Soybean
Start	3272	End	3722
GI	none	Score	689
Exons	3272..3646, 3288..3722, 3288..3722		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o3.tc	Method	TBLASTX:Cress
Start	3297	End	3774
GI	none	Score	703
Exons	3297..3773, 3299..3643, 3306..3773, 3307..3774, 3562..3774		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76102	Strand	-
Start	4525	End	4586
Name	OJ990528_05.9C03.C23.o2.gp	Method	AAT/GAP
Start	4525	End	4586
GI	56420_1.R1084	Score	88
Exons	4525..4586		
GI Descrip.	'2979562 2.0e-16 (AC003680) unknown protein [Arabidopsis thaliana] >gi_3386623 (AC004665) unknown protein [Arabidopsis thaliana]'		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76103	Strand	
Start	4571	End	5587
Name	OJ990528_05.9C03.C23.o7.tc	Method	TBLASTX:Cress
Start	4571	End	4707
GI	none	Score	128
Exons	4571..4594, 4572..4697, 4573..4704, 4584..4697, 4591..4707		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76103	Strand	
Start	4571	End	5587
Name	OJ990528_05.9C03.C23.o2.tm	Method	TBLASTX:Maize
Start	4596	End	5587
GI	none	Score	141
Exons	4596..4697, 4597..4710, 4600..4710, 4637..4711, 4704..4772, 4708..4785, 4709..4786, 4709..4786, 4781..4879, 4782..4880, 4840..4887, 4959..5051, 4963..5061, 4967..5086, 4970..5062, 5054..5089, 5056..5085, 5085..5321, 5085..5321, 5086..5322, 5095..5325, 5096..5326, 5306..5476, 5318..5479, 5319..5477, 5472..5555, 5474..5587		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76103	Strand	
Start	4571	End	5587
Name	OJ990528_05.9C03.C23.o3.tw	Method	TBLASTX:Wheat
Start	4948	End	5210
GI	none	Score	73
Exons	4948..5022, 4948..5034, 5022..5210, 5046..5087, 5053..5106, 5085..5201, 5086..5202, 5093..5203		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76103	Strand	
Start	4571	End	5587
Name	OJ990528_05.9C03.C23.o7.ts	Method	TBLASTX:Soybean
Start	4967	End	5234
GI	none	Score	82
Exons	4967..5089, 4971..5063, 4972..5088, 5045..5095, 5051..5212, 5085..5234, 5085..5195		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76104	Strand	
Start	5947	End	7241
Name	OJ990528_05.9C03.C23.o2.tc	Method	TBLASTX:Cress
Start	5947	End	6944
GI	none	Score	82
Exons	5947..6042, 5956..6042, 5961..6050, 5963..6082, 5966..6043, 6225..6296, 6248..6295, 6310..6444, 6314..6943, 6314..6934, 6315..6944		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76104	Strand	
Start	5947	End	7241
Name	OJ990528_05.9C03.C23.o6.tm	Method	TBLASTX:Maize
Start	6181	End	6438
GI	none	Score	44
Exons	6181..6207, 6183..6206, 6204..6242, 6205..6324, 6215..6328, 6216..6326, 6238..6330, 6296..6436, 6324..6437, 6325..6438,		

6325..6438

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76104	Strand	
Start	5947	End	7241
Name	OJ990528_05.9C03.C23.o3.ts	Method	TBLASTX:Soybean
Start	6216	End	6720
GI	none	Score	41
Exons	6216..6272, 6316..6411, 6317..6718, 6318..6719, 6325..6720, 6499..6720		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76104	Strand	
Start	5947	End	7241
Name	OJ990528_05.9C03.C23.o2.tw	Method	TBLASTX:Wheat
Start	6671	End	7071
GI	none	Score	446
Exons	6671..6994, 6672..6965, 6953..7009, 6953..7015, 6954..7022, 7033..7071		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76104	Strand	
Start	5947	End	7241
Name	OJ990528_05.9C03.C23.o4.tm	Method	TBLASTX:Maize
Start	6699	End	7241
GI	none	Score	639
Exons	6699..6734, 6726..7154, 6730..6933, 6731..7156, 6732..7157, 7006..7158, 7158..7241, 7159..7239, 7160..7240		

Seq. No.	37002	Seq. ID	OJ990528_05.9C03.C23
Gene No.	76105	Strand	
Start	7322	End	7491
Name	OJ990528_05.9C03.C23.o7.tm	Method	TBLASTX:Maize
Start	7322	End	7491
GI	none	Score	97
Exons	7322..7417, 7331..7417, 7332..7418, 7332..7421, 7333..7422, 7412..7489, 7417..7491, 7420..7491		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76106	Strand	+
Start	5473	End	5903
Name	OJ990528_05.9C03.C24.o2.gp	Method	AAT/GAP
Start	5473	End	5903
GI	uC-osflcyp021g10b1	Score	766
Exons	5473..5903		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76107	Strand	+
Start	10282	End	10827
Name	OJ990528_05.9C03.C24.o5.gp	Method	AAT/GAP
Start	10282	End	10827

GI	2135_1.R1084	Score	1072
Exons	10282..10827		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-159 Rice complete chloroplast genome'		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76108	Strand	+
Start	10865	End	11905
Name	OJ990528_05.9C03.C24.o6.gp	Method	AAT/GAP
Start	10865	End	11905
GI	2721_1.R1084	Score	1986
Exons	10865..11905		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76109	Strand	+
Start	17490	End	17575
Name	OJ990528_05.9C03.C24.o9.gp	Method	AAT/GAP
Start	17490	End	17575
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	17490..17575		
GI Descrip.	'133446/sp|P12093|RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir__RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76110	Strand	+
Start	24798	End	24928
Name	OJ990528_05.9C03.C24.o10.gp	Method	AAT/GAP
Start	24798	End	24928
GI	5607624	Score	215
Exons	24798..24928		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76111	Strand	-
Start	2269	End	2527
Name	OJ990528_05.9C03.C24.o1.gp	Method	AAT/GAP
Start	2269	End	2527
GI	uC-osf1M202088b07a1	Score	514
Exons	2269..2527		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76112	Strand	-
Start	8140	End	8556
Name	OJ990528_05.9C03.C24.o3.gp	Method	AAT/GAP
Start	8140	End	8556
GI	LIB3431-040-P1-K2-C1	Score	734

Exons	8140..8556		
GI Descrip.	'114521/sp|P12084|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76113	Strand	-
Start	9126	End	9671
Name	OJ990528_05.9C03.C24.o4.gp	Method	AAT/GAP
Start	9126	End	9671
GI	5005311	Score	1042
Exons	9126..9671		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76114	Strand	-
Start	12570	End	12940
Name	OJ990528_05.9C03.C24.o7.gp	Method	AAT/GAP
Start	12570	End	12940
GI	LIB3477-011-P1-K1-C10	Score	734
Exons	12570..12940		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76115	Strand	-
Start	12981	End	13523
Name	OJ990528_05.9C03.C24.o8.gp	Method	AAT/GAP
Start	12981	End	13523
GI	42732_1.R1084	Score	1070
Exons	12981..13523		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76116	Strand	-
Start	27012	End	27157
Name	OJ990528_05.9C03.C24.o11.gp	Method	AAT/GAP
Start	27012	End	27157
GI	LIB3432-021-P1-K1-A3	Score	213
Exons	27012..27157		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-52 Rice complete chloroplast genome'		
Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24

Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o14.ts	Method	TBLASTX:Soybean
Start	57	End	718
GI	none	Score	220
Exons	57..203, 59..217, 59..217, 72..218, 295..318, 296..322, 317..388, 330..374, 334..408, 389..415, 449..484, 451..474, 527..655, 537..656, 563..685, 657..698, 658..717, 662..718		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o20.tc	Method	TBLASTX:Cress
Start	57	End	781
GI	none	Score	219
Exons	57..236, 59..229, 322..405, 327..419, 327..407, 418..531, 428..532, 428..544, 532..651, 539..655, 540..656, 540..662, 566..697, 661..714, 662..697, 725..781, 749..769		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o3.tm	Method	TBLASTX:Maize
Start	57	End	1188
GI	none	Score	245
Exons	57..203, 57..233, 59..217, 181..837, 212..841, 215..805, 228..836, 834..986, 835..900, 836..1186, 851..1186, 940..1188, 1041..1187		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o17.tc	Method	TBLASTX:Cress
Start	846	End	1197
GI	none	Score	377
Exons	846..1196, 847..1194, 940..1197		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o17.ts	Method	TBLASTX:Soybean
Start	1057	End	2047
GI	none	Score	187
Exons	1057..1167, 1057..1173, 1059..1175, 1881..2006, 1891..2046, 1892..2047		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o12.tm	Method	TBLASTX:Maize
Start	1528	End	1871
GI	none	Score	70
Exons	1528..1578, 1530..1577, 1530..1607, 1531..1614, 1549..1611, 1568..1618, 1591..1716, 1604..1720, 1607..1714, 1644..1766, 1716..1871, 1716..1868		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24

Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o28.tc	Method	TBLASTX:Cress
Start	1665	End	1997
GI	none	Score	51
Exons	1665..1703, 1670..1708, 1691..1762, 1692..1766, 1722..1766, 1815..1880, 1824..1877, 1825..1878, 1852..1989, 1856..1996, 1868..1996, 1881..1997		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o4.tm	Method	TBLASTX:Maize
Start	1926	End	5204
GI	none	Score	162
Exons	1926..2072, 1933..2073, 1937..2089, 1940..2077, 2117..2197, 2117..2197, 2119..2199, 2121..2198, 2180..2251, 2193..2246, 2194..2250, 2235..2315, 2248..2352, 2249..2338, 2330..2380, 2330..2377, 2393..2422, 2394..2423, 2418..2534, 2424..2540, 2426..2554, 2516..2629, 2529..2606, 2570..2626, 2576..3055, 2603..3055, 2604..3056, 2721..3056, 4977..5048, 5046..5204		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o23.tc	Method	TBLASTX:Cress
Start	2505	End	2773
GI	none	Score	45
Exons	2505..2534, 2528..2611, 2605..2766, 2605..2772, 2606..2773, 2606..2773		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o9.ts	Method	TBLASTX:Soybean
Start	2505	End	5129
GI	none	Score	45
Exons	2505..2534, 2586..2675, 2587..2916, 2587..2919, 2588..2923, 2606..2923, 4977..5048, 5046..5129		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o7.tc	Method	TBLASTX:Cress
Start	2774	End	5288
GI	none	Score	56
Exons	2774..2845, 2840..2986, 4769..5215, 4769..5218, 4794..5219, 5168..5287, 5169..5288		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o13.ts	Method	TBLASTX:Soybean
Start	2945	End	5374
GI	none	Score	65
Exons	2945..2998, 3065..3181, 5129..5374, 5130..5345, 5279..5374		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o11.tm	Method	TBLASTX:Maize
Start	3065	End	5499
GI	none	Score	74
Exons	3065..3181, 3188..3310, 3196..3288, 5204..5497, 5205..5498, 5205..5498, 5383..5499		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o1.tc	Method	TBLASTX:Cress
Start	3075	End	6332
GI	none	Score	444
Exons	3075..3521, 3076..4242, 3077..4279, 5292..5396, 5406..5537, 5708..5860, 5715..5861, 5874..6278, 5924..6274, 6048..6281, 6285..6329, 6303..6332		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o7.ts	Method	TBLASTX:Soybean
Start	3196	End	5862
GI	none	Score	83
Exons	3196..3309, 3197..3310, 3416..3463, 3466..3636, 3467..3637, 5377..5574, 5387..5659, 5388..5861, 5602..5862, 5611..5664, 5708..5860, 5709..5861		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o1.tm	Method	TBLASTX:Maize
Start	3398	End	7360
GI	none	Score	225
Exons	3398..3637, 3466..3525, 3488..3613, 3565..3636, 3631..4044, 3644..4048, 4070..4114, 4165..4482, 4169..4483, 4301..4483, 4550..4630, 4634..4777, 4661..4759, 5499..5606, 5516..5611, 5517..5597, 5521..5601, 5576..5659, 5577..7109, 5587..5940, 5709..7121, 5897..7150, 6646..7146, 7144..7200, 7148..7201, 7155..7202, 7234..7260, 7244..7261, 7262..7360, 7263..7346		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	3644	End	7378
GI	none	Score	415
Exons	3644..4048, 3943..4044, 4070..4114, 4165..4506, 4169..4483, 4550..4630, 4634..4777, 4670..4759, 4789..4881, 5862..7109, 5862..7109, 5897..7159, 6646..7158, 7232..7378, 7281..7346		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o4.tc	Method	TBLASTX:Cress
Start	4279	End	6983

GI	none	Score	243
Exons	4279..4482, 4280..4483, 4550..4624, 4634..4765, 4661..4759, 6434..6814, 6435..6815, 6435..6845, 6437..6817, 6646..6822, 6816..6983, 6818..6982		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o30.tc	Method	TBLASTX:Cress
Start	5537	End	5707
GI	none	Score	209
Exons	5537..5659, 5538..5660, 5544..5705, 5548..5682, 5549..5707		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o12.tc	Method	TBLASTX:Cress
Start	7025	End	7707
GI	none	Score	130
Exons	7025..7135, 7026..7109, 7250..7381, 7278..7346, 7395..7595, 7399..7596, 7400..7597, 7400..7594, 7401..7595, 7623..7706, 7625..7705, 7647..7706, 7651..7707		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o18.tc	Method	TBLASTX:Cress
Start	7964	End	8597
GI	none	Score	92
Exons	7964..8035, 7965..8036, 7968..8036, 7975..8040, 8167..8403, 8168..8587, 8168..8596, 8211..8597		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o10.ts	Method	TBLASTX:Soybean
Start	8167	End	8597
GI	none	Score	186
Exons	8167..8412, 8174..8596, 8174..8596, 8211..8597		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o29.tc	Method	TBLASTX:Cress
Start	8717	End	8857
GI	none	Score	191
Exons	8717..8857, 8718..8855, 8728..8856		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o3.ts	Method	TBLASTX:Soybean
Start	8816	End	14495
GI	none	Score	78
Exons	8816..9049, 8817..8885, 8883..9017, 8998..9537, 9015..9716, 9164..9727, 9732..9767, 9787..10287, 9789..10283, 10323..10364, 10328..10357, 10446..10463, 10548..10619, 10553..10612,		

10554..10622, 10642..10689, 10644..10691, 10650..10691,
10651..10710, 10710..10781, 10713..10757, 10718..10801,
10750..10803, 10788..10841, 10789..10842, 10791..10838,
10834..10905, 10848..10907, 10848..10901, 10849..10902,
10895..10918, 10996..11169, 10998..11174, 10998..11174,
10999..11178, 11514..11582, 11603..11749, 11607..11894,
11609..11881, 11871..11939, 11964..12026, 12658..12753,
12659..13408, 12808..13407, 13592..13633, 13639..14091,
13644..14360, 13649..14359, 13666..14364, 13673..14362,
14472..14495

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o3.tc	Method	TBLASTX:Cress
Start	9216	End	11115
GI	none	Score	344
Exons	9216..9713, 9217..9537, 9230..9727, 9780..10190, 9787..10191, 9817..10191, 11017..11115, 11017..11106, 11019..11114		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o20.tm	Method	TBLASTX:Maize
Start	9358	End	9671
GI	none	Score	48
Exons	9358..9429, 9360..9671, 9490..9534		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o2.tm	Method	TBLASTX:Maize
Start	9715	End	11381
GI	none	Score	62
Exons	9715..9777, 9723..9782, 9729..9782, 9777..10058, 9777..10298, 9787..10317, 10285..10371, 10320..10535, 10328..10474, 10374..10499, 10457..10558, 10473..10586, 10479..10589, 10542..10619, 10546..10626, 10550..10627, 10615..10710, 10620..10724, 10620..10766, 10706..10837, 10706..10843, 10716..10844, 10728..10844, 10753..10845, 10845..10970, 10845..10958, 10847..10960, 10928..11224, 10929..11231, 10930..11232, 10930..11244, 11217..11381, 11257..11289, 11280..11381		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o2.tw	Method	TBLASTX:Wheat
Start	9854	End	10299
GI	none	Score	505
Exons	9854..10204, 9859..10209, 9869..10207, 10205..10285, 10213..10299, 10213..10281, 10214..10282, 10215..10298		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o5.tw	Method	TBLASTX:Wheat

Start	10521	End	10998
GI	none	Score	43
Exons	10521..10625, 10523..10558, 10548..10634, 10552..10638, 10555..10635, 10635..10718, 10637..10747, 10638..10718, 10721..10843, 10721..10843, 10722..10844, 10753..10845, 10834..10881, 10843..10881, 10878..10997, 10878..10997, 10882..10998		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o6.tm	Method	TBLASTX:Maize
Start	11384	End	12319
GI	none	Score	111
Exons	11384..11467, 11384..11482, 11386..11469, 11466..11510, 11468..11512, 11496..11750, 11519..11890, 11520..11888, 11815..11901, 11880..11921, 11882..11929, 11882..11938, 11883..11939, 11925..11966, 11928..11966, 11970..12041, 11971..12039, 11971..12042, 11975..12067, 12041..12103, 12044..12142, 12095..12175, 12151..12282, 12152..12319, 12275..12304		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o21.tc	Method	TBLASTX:Cress
Start	11609	End	11915
GI	none	Score	301
Exons	11609..11914, 11609..11749, 11619..11915		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o15.tm	Method	TBLASTX:Maize
Start	12406	End	12749
GI	none	Score	37
Exons	12406..12429, 12408..12431, 12433..12474, 12434..12475, 12462..12632, 12474..12497, 12478..12615, 12491..12634, 12506..12640, 12627..12749, 12627..12743, 12632..12748		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o14.tm	Method	TBLASTX:Maize
Start	12750	End	13012
GI	none	Score	355
Exons	12750..13010, 12752..13012, 12806..13012		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o6.tc	Method	TBLASTX:Cress
Start	12907	End	13419
GI	none	Score	577
Exons	12907..13368, 12908..13366, 12932..13381, 13369..13419, 13371..13412		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o10.tm	Method	TBLASTX:Maize
Start	13871	End	14155
GI	none	Score	452
Exons	13871..14155, 13871..14155		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o8.tc	Method	TBLASTX:Cress
Start	13875	End	14497
GI	none	Score	118
Exons	13875..13988, 13877..13990, 13985..14359, 13986..14360, 13988..14362, 14477..14497, 14479..14496		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o8.tm	Method	TBLASTX:Maize
Start	14156	End	14816
GI	none	Score	47
Exons	14156..14182, 14156..14182, 14177..14362, 14177..14359, 14196..14372, 14411..14494, 14412..14504, 14434..14496, 14496..14561, 14496..14561, 14569..14610, 14569..14604, 14605..14814, 14616..14648, 14643..14816, 14645..14815		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o4.ts	Method	TBLASTX:Soybean
Start	14632	End	15707
GI	none	Score	62
Exons	14632..14739, 14692..14751, 14696..14764, 14696..14764, 14709..14771, 14750..14881, 14751..15542, 14754..14882, 14818..15543, 15166..15543, 15551..15685, 15552..15686, 15552..15707		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o4.tw	Method	TBLASTX:Wheat
Start	14652	End	15060
GI	none	Score	493
Exons	14652..15017, 14652..15056, 14653..15060		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o2.tc	Method	TBLASTX:Cress
Start	14697	End	15842
GI	none	Score	58
Exons	14697..14753, 14698..14751, 14792..14890, 14792..15541, 14811..15014, 14811..15542, 14818..15543, 15555..15629, 15565..15621, 15565..15630, 15624..15680, 15633..15677, 15742..15834, 15786..15842		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o13.tm	Method	TBLASTX:Maize
Start	14817	End	15111
GI	none	Score	256
Exons	14817..15017, 14817..15074, 14818..15075, 15022..15111, 15056..15103		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o22.tm	Method	TBLASTX:Maize
Start	15299	End	15437
GI	none	Score	212
Exons	15299..15436, 15300..15437, 15300..15437		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o16.tc	Method	TBLASTX:Cress
Start	15911	End	16619
GI	none	Score	95
Exons	15911..16057, 15912..16247, 15913..16056, 15921..16058, 16116..16247, 16141..16248, 16144..16248, 16214..16474, 16242..16508, 16261..16482, 16496..16585, 16500..16577, 16584..16619		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o1.tw	Method	TBLASTX:Wheat
Start	16076	End	16695
GI	none	Score	572
Exons	16076..16495, 16077..16496, 16078..16497, 16398..16658, 16490..16651, 16624..16695, 16646..16684		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o5.tm	Method	TBLASTX:Maize
Start	16149	End	16960
GI	none	Score	459
Exons	16149..16487, 16149..16895, 16150..16869, 16562..16927, 16563..16895, 16844..16897, 16922..16960		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o2.ts	Method	TBLASTX:Soybean
Start	16517	End	19480
GI	none	Score	181
Exons	16517..16792, 16582..16866, 16584..16865, 17292..17462, 17293..17421, 17294..17437, 17370..17573, 17431..17574, 17432..17581, 17528..17584, 17581..18327, 17587..18117, 17588..18328, 17589..18341, 18328..18477, 18348..18476,		

18349..18477, 18353..18478, 18465..19178, 18472..19179,
18474..19181, 18821..19180, 19179..19211, 19229..19273,
19230..19277, 19402..19476, 19402..19473, 19406..19480

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o27.tc	Method	TBLASTX:Cress
Start	16620	End	16918
GI	none	Score	180
Exons	16620..16895, 16621..16866, 16623..16895, 16811..16918		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o18.tm	Method	TBLASTX:Maize
Start	16961	End	17322
GI	none	Score	71
Exons	16961..17101, 16961..17023, 16964..17119, 16965..17003, 16970..17056, 16979..17143, 16979..17143, 16980..17057, 16982..17137, 16982..17116, 17007..17051, 17009..17059, 17009..17074, 17016..17060, 17048..17080, 17064..17108, 17078..17101, 17087..17185, 17087..17185, 17126..17233, 17126..17212, 17138..17194, 17138..17185, 17138..17191, 17138..17185, 17147..17233, 17165..17266, 17166..17240, 17169..17270, 17169..17279, 17175..17315, 17175..17270, 17177..17275, 17178..17237, 17199..17306, 17200..17313, 17200..17322, 17224..17271, 17228..17293, 17229..17303, 17229..17285, 17230..17301, 17255..17302		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o19.tc	Method	TBLASTX:Cress
Start	17302	End	17817
GI	none	Score	169
Exons	17302..17448, 17304..17558, 17311..17493, 17580..17816, 17595..17816, 17599..17817		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o10.tc	Method	TBLASTX:Cress
Start	17832	End	18248
GI	none	Score	388
Exons	17832..18242, 17834..18247, 17838..18248		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o3.tw	Method	TBLASTX:Wheat
Start	17948	End	18393
GI	none	Score	618
Exons	17948..18391, 17949..18392, 17949..18392, 17950..18393, 18154..18393		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24

Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o9.tc	Method	TBLASTX:Cress
Start	18692	End	19086
GI	none	Score	433
Exons	18692..18772, 18693..19082, 18693..19085, 18694..19086		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o19.tm	Method	TBLASTX:Maize
Start	18981	End	19477
GI	none	Score	205
Exons	18981..19178, 18981..19181, 18982..19179, 19179..19211, 19229..19273, 19230..19277, 19372..19476, 19375..19476, 19376..19477		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o32.tc	Method	TBLASTX:Cress
Start	19089	End	19441
GI	none	Score	122
Exons	19089..19178, 19090..19176, 19217..19264, 19218..19268, 19376..19441, 19384..19440		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o5.tc	Method	TBLASTX:Cress
Start	19453	End	20197
GI	none	Score	227
Exons	19453..19689, 19454..19687, 19455..19703, 19750..20196, 19757..20197		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o17.tm	Method	TBLASTX:Maize
Start	19479	End	19812
GI	none	Score	215
Exons	19479..19715, 19480..19698, 19568..19705, 19756..19812, 19757..19810		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o11.ts	Method	TBLASTX:Soybean
Start	19481	End	19923
GI	none	Score	201
Exons	19481..19687, 19483..19698, 19485..19715, 19568..19705, 19756..19923, 19757..19888, 19758..19907		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o11.tc	Method	TBLASTX:Cress

Start	20207	End	20630
GI	none	Score	375
Exons	20207..20476, 20209..20613, 20209..20574, 20525..20629, 20583..20630		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o16.ts	Method	TBLASTX:Soybean
Start	20440	End	20893
GI	none	Score	44
Exons	20440..20484, 20443..20481, 20480..20719, 20485..20697, 20525..20710, 20632..20736, 20707..20832, 20758..20832, 20833..20862, 20834..20893		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o26.tc	Method	TBLASTX:Cress
Start	20719	End	21000
GI	none	Score	253
Exons	20719..21000, 20774..20992		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o5.ts	Method	TBLASTX:Soybean
Start	20978	End	21794
GI	none	Score	507
Exons	20978..21433, 20979..21392, 20983..21435, 20983..21432, 21333..21452, 21433..21606, 21434..21721, 21461..21793, 21582..21794, 21603..21794		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o14.tc	Method	TBLASTX:Cress
Start	21294	End	21694
GI	none	Score	83
Exons	21294..21422, 21295..21426, 21296..21424, 21433..21597, 21455..21688, 21455..21694		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o25.tc	Method	TBLASTX:Cress
Start	21707	End	22264
GI	none	Score	63
Exons	21707..21907, 21708..21815, 21977..22264, 22080..22226		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o21.tm	Method	TBLASTX:Maize
Start	21716	End	22319
GI	none	Score	97
Exons	21716..21907, 21977..22264, 22080..22319		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o12.ts	Method	TBLASTX:Soybean
Start	22097	End	22512
GI	none	Score	50
Exons	22097..22132, 22098..22133, 22120..22263, 22130..22264, 22134..22268, 22140..22268, 22283..22507, 22285..22512, 22287..22505, 22288..22506		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o8.ts	Method	TBLASTX:Soybean
Start	22712	End	23256
GI	none	Score	101
Exons	22712..22885, 22715..22879, 22734..22886, 22752..22886, 22753..22890, 22901..22939, 22910..23095, 22932..23099, 22932..23114, 23066..23233, 23076..23246, 23077..23256, 23096..23248		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o24.tc	Method	TBLASTX:Cress
Start	22970	End	23165
GI	none	Score	240
Exons	22970..23164, 22971..23165, 22971..23165		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o33.tc	Method	TBLASTX:Cress
Start	23230	End	23477
GI	none	Score	36
Exons	23230..23304, 23231..23272, 23303..23335, 23336..23425, 23346..23423, 23346..23426, 23384..23425, 23420..23455, 23426..23467, 23427..23477		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o6.ts	Method	TBLASTX:Soybean
Start	23354	End	24184
GI	none	Score	314
Exons	23354..23584, 23355..23609, 23355..23597, 23613..23756, 23623..23778, 23630..23779, 23774..23920, 23779..24180, 23780..24184		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o22.tc	Method	TBLASTX:Cress
Start	23498	End	23865
GI	none	Score	72
Exons	23498..23584, 23500..23556, 23502..23609, 23502..23609,		

23613..23756, 23613..23774, 23617..23775, 23618..23800,
23630..23779, 23740..23865, 23780..23857, 23784..23864

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o13.tc	Method	TBLASTX:Cress
Start	23866	End	24226
GI	none	Score	342
Exons	23866..24210, 23867..24226, 23910..24224		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o16.tm	Method	TBLASTX:Maize
Start	24219	End	24412
GI	none	Score	285
Exons	24219..24410, 24221..24412, 24222..24410, 24227..24412		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o15.tc	Method	TBLASTX:Cress
Start	24306	End	24876
GI	none	Score	128
Exons	24306..24413, 24306..24413, 24308..24424, 24313..24423, 24425..24691, 24426..24689, 24427..24699, 24428..24691, 24749..24823, 24750..24824, 24750..24824, 24841..24876, 24842..24871		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o9.tm	Method	TBLASTX:Maize
Start	24413	End	24811
GI	none	Score	538
Exons	24413..24811, 24414..24809, 24475..24810		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o15.ts	Method	TBLASTX:Soybean
Start	24426	End	24829
GI	none	Score	287
Exons	24426..24719, 24428..24721, 24715..24810, 24725..24829, 24738..24812		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o18.ts	Method	TBLASTX:Soybean
Start	26229	End	26366
GI	none	Score	191
Exons	26229..26351, 26238..26366		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-

Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o6.tw	Method	TBLASTX:Wheat
Start	26438	End	27022
GI	none	Score	75
Exons	26438..26485, 26446..26487, 26566..26634, 26580..26621, 26599..26694, 26612..26689, 26616..26702, 26786..26917, 26798..26878, 26849..26929, 26930..26953, 26932..26952, 26950..27021, 26951..27022, 26973..27020, 26975..27022		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o7.tm	Method	TBLASTX:Maize
Start	26735	End	27307
GI	none	Score	112
Exons	26735..26824, 26741..26830, 26813..26857, 26816..26860, 26852..27082, 26853..27080, 26969..27022, 26973..27020, 26975..27043, 27051..27227, 27058..27231, 27059..27235, 27220..27291, 27225..27272, 27265..27306, 27266..27307		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o31.tc	Method	TBLASTX:Cress
Start	27058	End	27384
GI	none	Score	150
Exons	27058..27219, 27085..27231, 27110..27229, 27221..27268, 27265..27336, 27334..27384, 27334..27381		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o7.tw	Method	TBLASTX:Wheat
Start	27070	End	27268
GI	none	Score	161
Exons	27070..27231, 27076..27219, 27110..27229, 27220..27267, 27221..27268		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o19.ts	Method	TBLASTX:Soybean
Start	27100	End	27397
GI	none	Score	141
Exons	27100..27228, 27112..27222, 27239..27268, 27290..27397		

Seq. No.	37003	Seq. ID	OJ990528_05.9C03.C24
Gene No.	76117	Strand	-
Start	27231	End	27397
Name	OJ990528_05.9C03.C24.o12.gp	Method	AAT/GAP
Start	27231	End	27342
GI	1036999	Score	198
Exons	27231..27342		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	37004	Seq. ID	OJ990528_05.9C03.C25
Gene No.	76118	Strand	-

Start	43	End	154
Name	OJ990528_05.9C03.C25.o1.gp	Method	AAT/GAP
Start	43	End	154
GI	1036999	Score	194
Exons	43..154		
GI Descrip.	11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	37004	Seq. ID	OJ990528_05.9C03.C25
Gene No.	76119	Strand	
Start	76	End	218
Name	OJ990528_05.9C03.C25.o2.tm	Method	TBLASTX:Maize
Start	76	End	218
GI	none	Score	193
Exons	76..210, 77..205, 81..209, 165..218		

Seq. No.	37004	Seq. ID	OJ990528_05.9C03.C25
Gene No.	76120	Strand	
Start	705	End	977
Name	OJ990528_05.9C03.C25.o1.tm	Method	TBLASTX:Maize
Start	705	End	971
GI	none	Score	45
Exons	705..743, 781..948, 788..970, 789..971, 807..971		

Seq. No.	37004	Seq. ID	OJ990528_05.9C03.C25
Gene No.	76120	Strand	
Start	705	End	977
Name	OJ990528_05.9C03.C25.o1.tc	Method	TBLASTX:Cress
Start	840	End	977
GI	none	Score	201
Exons	840..977, 840..977		

Seq. No.	37005	Seq. ID	OJ990528_05.9C03.C26
Gene No.	76121	Strand	-
Start	416	End	679
Name	OJ990528_05.9C03.C26.o1.tc	Method	TBLASTX:Cress
Start	1	End	149
GI	none	Score	211
Exons	1..147, 1..147, 3..149		

Seq. No.	37005	Seq. ID	OJ990528_05.9C03.C26
Gene No.	76121	Strand	-
Start	416	End	679
Name	OJ990528_05.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	108	End	679
GI	none	Score	78
Exons	108..677, 109..177, 174..344, 175..678, 205..678, 455..679		

Seq. No.	37005	Seq. ID	OJ990528_05.9C03.C26
Gene No.	76121	Strand	-
Start	416	End	679
Name	OJ990528_05.9C03.C26.o3.tc	Method	TBLASTX:Cress
Start	232	End	502
GI	none	Score	155
Exons	232..498, 240..497, 320..502		

Seq. No.	37005	Seq. ID	OJ990528_05.9C03.C26
Gene No.	76121	Strand	-

Start	416	End	679
Name	OJ990528_05.9C03.C26.o1.gp	Method	AAT/GAP
Start	416	End	679
GI	5005311	Score	451
Exons	416..679		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	37005	Seq. ID	OJ990528_05.9C03.C26
Gene No.	76121	Strand	-
Start	416	End	679
Name	OJ990528_05.9C03.C26.o2.tc	Method	TBLASTX:Cress
Start	507	End	679
GI	none	Score	52
Exons	507..578, 507..677, 508..678,	521..679	

Seq. No.	37006	Seq. ID	OJ990528_05.9C03.C28
Gene No.	76122	Strand	
Start	458	End	714
Name	OJ990528_05.9C03.C28.o1.ts	Method	TBLASTX:Soybean
Start	458	End	714
GI	none	Score	395
Exons	458..712, 460..714, 460..714		

Seq. No.	37007	Seq. ID	OJ990528_05.9C03.C29
Gene No.	76123	Strand	-
Start	747	End	808
Name	OJ990528_05.9C03.C29.o2.ts	Method	TBLASTX:Soybean
Start	154	End	380
GI	none	Score	347
Exons	154..378, 154..378, 156..380		

Seq. No.	37007	Seq. ID	OJ990528_05.9C03.C29
Gene No.	76123	Strand	-
Start	747	End	808
Name	OJ990528_05.9C03.C29.o1.ts	Method	TBLASTX:Soybean
Start	381	End	808
GI	none	Score	448
Exons	381..698, 382..699, 385..699,	686..763, 686..760, 703..762, 716..808, 718..807	

Seq. No.	37007	Seq. ID	OJ990528_05.9C03.C29
Gene No.	76123	Strand	-
Start	747	End	808
Name	OJ990528_05.9C03.C29.o1.gp	Method	AAT/GAP
Start	747	End	808
GI	183_1.R1084	Score	104
Exons	747..808		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa]		

>gi_226406_prf__15'

Seq. No.	37008	Seq. ID	OJ990528_05.9C03.C30
Gene No.	76124	Strand	
Start	187	End	435
Name	OJ990528_05.9C03.C30.o1.tc	Method	TBLASTX:Cress
Start	187	End	435
GI	none	Score	427
Exons	187..435, 188..433		

Seq. No.	37009	Seq. ID	OJ990528_05.9C03.C31
Gene No.	76125	Strand	
Start	75	End	452
Name	OJ990528_05.9C03.C31.o1.ts	Method	TBLASTX:Soybean
Start	75	End	452
GI	none	Score	378
Exons	75..134, 76..444, 77..445, 312..452		

Seq. No.	37009	Seq. ID	OJ990528_05.9C03.C31
Gene No.	76125	Strand	
Start	75	End	452
Name	OJ990528_05.9C03.C31.o1.tc	Method	TBLASTX:Cress
Start	76	End	435
GI	none	Score	275
Exons	76..360, 77..361, 371..433, 373..435		

Seq. No.	37010	Seq. ID	OJ990528_05.9C03.C32
Gene No.	76126	Strand	+
Start	627	End	1164
Name	OJ990528_05.9C03.C32.o1.gp	Method	AAT/GAP
Start	627	End	1164
GI	2653_1.R1084	Score	1048
Exons	627..1164		
GI Descrip.	'11998/emb|CAA33959| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	37010	Seq. ID	OJ990528_05.9C03.C32
Gene No.	76127	Strand	-
Start	1168	End	2748
Name	OJ990528_05.9C03.C32.o1.ts	Method	TBLASTX:Soybean
Start	176	End	2748
GI	none	Score	160
Exons	176..442, 176..631, 183..605, 201..635, 280..687, 521..625, 652..714, 657..716, 660..728, 1024..1101, 1042..1101, 1117..1179, 1128..1190, 1128..1187, 1210..1425, 1213..1425, 1256..1459, 1447..1608, 1463..1603, 1930..2067, 1968..2054, 1969..2055, 1976..2065, 2101..2121, 2104..2133, 2527..2748, 2570..2689		

Seq. No.	37010	Seq. ID	OJ990528_05.9C03.C32
Gene No.	76127	Strand	-
Start	1168	End	2748
Name	OJ990528_05.9C03.C32.o1.tc	Method	TBLASTX:Cress
Start	261	End	1602
GI	none	Score	228
Exons	261..638, 263..634, 280..639, 433..639, 639..713, 1041..1130, 1042..1125, 1109..1177, 1111..1599, 1112..1600, 1117..1602		

Seq. No.	37010	Seq. ID	OJ990528_05.9C03.C32
Gene No.	76127	Strand	-
Start	1168	End	2748
Name	OJ990528_05.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	847	End	1444
GI	none	Score	39
Exons	847..879, 855..875, 871..918, 872..916, 915..938, 1024..1428, 1024..1425, 1026..1433, 1411..1443, 1412..1444		

Seq. No.	37010	Seq. ID	OJ990528_05.9C03.C32
Gene No.	76127	Strand	-
Start	1168	End	2748
Name	OJ990528_05.9C03.C32.o2.gp	Method	AAT/GAP
Start	1168	End	1791
GI	7528_2.R1084	Score	1143
Exons	1168..1791		
GI Descrip.	'140291/sp|P12206|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	37010	Seq. ID	OJ990528_05.9C03.C32
Gene No.	76127	Strand	-
Start	1168	End	2748
Name	OJ990528_05.9C03.C32.o2.tm	Method	TBLASTX:Maize
Start	1683	End	2113
GI	none	Score	95
Exons	1683..1772, 1697..1768, 1698..1775, 1699..1797, 1699..1797, 1745..1831, 1764..1808, 1765..1836, 1765..1833, 1767..1844, 1817..1930, 1832..1930, 1833..1931, 1934..2107, 1934..2113		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76128	Strand	-
Start	1	End	695
Name	OJ990528_05.9C03.C33.o1.gp	Method	AAT/GAP
Start	1	End	695
GI	14384_1.R1084	Score	1350
Exons	1..695		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o1.tw	Method	TBLASTX:Wheat
Start	31	End	783
GI	none	Score	1084
Exons	31..777, 36..782, 37..783, 81..782		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o2.tc	Method	TBLASTX:Cress
Start	47	End	316
GI	none	Score	343
Exons	47..148, 48..314, 49..315, 49..315, 185..316		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o2.tm	Method	TBLASTX:Maize
Start	67	End	436
GI	none	Score	518
Exons	67..411, 67..414, 77..436, 221..427		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o3.tc	Method	TBLASTX:Cress
Start	399	End	546
GI	none	Score	198
Exons	399..545, 410..544, 424..546		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o4.tm	Method	TBLASTX:Maize
Start	490	End	778
GI	none	Score	223
Exons	490..777, 494..778, 495..773		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o1.tm	Method	TBLASTX:Maize
Start	781	End	1527
GI	none	Score	54
Exons	781..831, 787..1515, 801..929, 829..1527, 1155..1517		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o2.gp	Method	AAT/GAP
Start	792	End	1521
GI	24824_1.R1084	Score	1375
Exons	792..1521		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o1.ts	Method	TBLASTX:Soybean
Start	851	End	1554
GI	none	Score	567
Exons	851..1366, 851..1531, 853..1554, 868..1554		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o3.tw	Method	TBLASTX:Wheat
Start	926	End	1108

GI	none	Score	266
Exons	926..1108, 928..1107		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o1.tc	Method	TBLASTX:Cress
Start	1069	End	1545
GI	none	Score	549
Exons	1069..1506, 1069..1509, 1088..1510, 1161..1511, 1513..1545		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o2.tw	Method	TBLASTX:Wheat
Start	1109	End	1794
GI	none	Score	265
Exons	1109..1534, 1110..1292, 1111..1563, 1111..1563, 1155..1583, 1547..1621, 1577..1675, 1584..1646, 1585..1653, 1633..1794, 1649..1792, 1666..1794		

Seq. No.	37011	Seq. ID	OJ990528_05.9C03.C33
Gene No.	76129	Strand	-
Start	792	End	1828
Name	OJ990528_05.9C03.C33.o3.tm	Method	TBLASTX:Maize
Start	1528	End	1828
GI	none	Score	130
Exons	1528..1653, 1528..1611, 1530..1655, 1620..1724, 1628..1738, 1630..1725, 1650..1727, 1673..1729, 1712..1828, 1715..1828		

Seq. No.	37012	Seq. ID	OJ990528_05.9C03.C34
Gene No.	76130	Strand	+
Start	169	End	1531
Name	OJ990528_05.9C03.C34.o2.tw	Method	TBLASTX:Wheat
Start	146	End	578
GI	none	Score	308
Exons	146..355, 147..368, 180..359, 346..432, 357..431, 367..477, 400..576, 429..578, 439..576		

Seq. No.	37012	Seq. ID	OJ990528_05.9C03.C34
Gene No.	76130	Strand	+
Start	169	End	1531
Name	OJ990528_05.9C03.C34.o3.tm	Method	TBLASTX:Maize
Start	163	End	353
GI	none	Score	68
Exons	163..219, 164..217, 166..219, 167..223, 191..352, 214..351, 216..353, 216..353		

Seq. No.	37012	Seq. ID	OJ990528_05.9C03.C34
Gene No.	76130	Strand	+
Start	169	End	1531
Name	OJ990528_05.9C03.C34.o1.gp	Method	AAT/GAP
Start	169	End	685
GI	uC-osf1M202083h12b1	Score	968
Exons	169..685		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	37012	Seq. ID	OJ990528_05.9C03.C34
Gene No.	76130	Strand	+
Start	169	End	1531
Name	OJ990528_05.9C03.C34.o2.tm	Method	TBLASTX:Maize
Start	354	End	607
GI	none	Score	35
Exons	354..371, 376..405, 376..405, 396..605, 428..607		

Seq. No.	37012	Seq. ID	OJ990528_05.9C03.C34
Gene No.	76130	Strand	+
Start	169	End	1531
Name	OJ990528_05.9C03.C34.o1.tc	Method	TBLASTX:Cress
Start	448	End	1531
GI	none	Score	1670
Exons	448..1026, 449..1531, 695..1528, 1111..1530		

Seq. No.	37012	Seq. ID	OJ990528_05.9C03.C34
Gene No.	76130	Strand	+
Start	169	End	1531
Name	OJ990528_05.9C03.C34.o1.ts	Method	TBLASTX:Soybean
Start	512	End	1531
GI	none	Score	583
Exons	512..556, 628..1026, 641..1117, 846..1100, 893..1135, 1136..1531, 1136..1492, 1147..1509		

Seq. No.	37012	Seq. ID	OJ990528_05.9C03.C34
Gene No.	76130	Strand	+
Start	169	End	1531
Name	OJ990528_05.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	607	End	1531
GI	none	Score	591
Exons	607..1026, 626..1117, 893..1135, 1136..1531, 1147..1509		

Seq. No.	37012	Seq. ID	OJ990528_05.9C03.C34
Gene No.	76130	Strand	+
Start	169	End	1531
Name	OJ990528_05.9C03.C34.o1.tw	Method	TBLASTX:Wheat
Start	722	End	1417
GI	none	Score	321
Exons	722..985, 730..999, 1010..1048, 1055..1117, 1136..1417, 1142..1411, 1147..1416		

Seq. No.	37013	Seq. ID	OJ990528_05.9C03.C35
Gene No.	76132	Strand	+
Start	202	End	1580
Name	OJ990528_05.9C03.C35.o1.tc	Method	TBLASTX:Cress
Start	1023	End	1580
GI	none	Score	267
Exons	1023..1196, 1023..1196, 1024..1197, 1025..1204, 1192..1485, 1193..1459, 1193..1516, 1195..1464, 1460..1549, 1461..1550, 1463..1552, 1551..1580		

Seq. No.	37014	Seq. ID	OJ990528_05.9C03.C36
Gene No.	76133	Strand	
Start	1	End	220
Name	OJ990528_05.9C03.C36.o3.tm	Method	TBLASTX:Maize
Start	1	End	220

GI	none	Score	184
Exons	1..135, 2..133, 2..136, 136..192, 137..220, 138..218, 139..219		

Seq. No.	37014	Seq. ID	OJ990528_05.9C03.C36
Gene No.	76134	Strand	
Start	301	End	588
Name	OJ990528_05.9C03.C36.o2.tm	Method	TBLASTX:Maize
Start	301	End	588
GI	none	Score	97
Exons	301..396, 310..396, 311..397, 311..400, 391..486, 396..587, 399..587, 532..588		

Seq. No.	37014	Seq. ID	OJ990528_05.9C03.C36
Gene No.	76135	Strand	
Start	588	End	1043
Name	OJ990528_05.9C03.C36.o1.tm	Method	TBLASTX:Maize
Start	588	End	1029
GI	none	Score	74
Exons	588..644, 588..683, 592..765, 666..749, 714..779, 714..764, 747..821, 754..828, 766..825, 821..874, 822..872, 874..1026, 875..1018, 877..1029		

Seq. No.	37014	Seq. ID	OJ990528_05.9C03.C36
Gene No.	76135	Strand	
Start	588	End	1043
Name	OJ990528_05.9C03.C36.o1.ts	Method	TBLASTX:Soybean
Start	860	End	1026
GI	none	Score	174
Exons	860..1024, 864..1025, 871..1026, 872..1024		

Seq. No.	37014	Seq. ID	OJ990528_05.9C03.C36
Gene No.	76135	Strand	
Start	588	End	1043
Name	OJ990528_05.9C03.C36.o1.tc	Method	TBLASTX:Cress
Start	865	End	1043
GI	none	Score	183
Exons	865..1023, 869..1024, 869..1024, 877..1026, 879..1043, 894..1028		

Seq. No.	37015	Seq. ID	OJ990528_05.9C03.C37
Gene No.	76136	Strand	
Start	57	End	556
Name	OJ990528_05.9C03.C37.o1.tm	Method	TBLASTX:Maize
Start	57	End	547
GI	none	Score	160
Exons	57..164, 58..195, 58..195, 59..202, 59..196, 193..345, 194..259, 195..545, 210..545, 299..547		

Seq. No.	37015	Seq. ID	OJ990528_05.9C03.C37
Gene No.	76136	Strand	
Start	57	End	556
Name	OJ990528_05.9C03.C37.o1.tc	Method	TBLASTX:Cress
Start	206	End	556
GI	none	Score	432
Exons	206..553, 219..554, 299..556		

Seq. No.	37015	Seq. ID	OJ990528_05.9C03.C37
Gene No.	76137	Strand	

Start	512	End	957
Name	OJ990528_05.9C03.C37.o1.ts	Method	TBLASTX:Soybean
Start	512	End	957
GI	none	Score	80
Exons	512..562, 513..563, 584..610, 635..703, 723..821, 724..786, 788..811, 800..919, 812..910, 819..914, 826..918, 928..957, 928..957		

Seq. No.	37015	Seq. ID	OJ990528_05.9C03.C37
Gene No.	76138	Strand	
Start	887	End	1034
Name	OJ990528_05.9C03.C37.o2.tm	Method	TBLASTX:Maize
Start	887	End	1034
GI	none	Score	85
Exons	887..937, 889..969, 890..973, 908..970, 927..977, 963..1034, 968..1033		

Seq. No.	37016	Seq. ID	OJ990528_05.9C03.C38
Gene No.	76139	Strand	
Start	426	End	706
Name	OJ990528_05.9C03.C38.o1.ts	Method	TBLASTX:Soybean
Start	426	End	706
GI	none	Score	402
Exons	426..704, 426..704, 427..705, 427..705, 428..706		

Seq. No.	37017	Seq. ID	OJ990528_05.9C03.C39
Gene No.	76140	Strand	-
Start	209	End	663
Name	OJ990528_05.9C03.C39.o1.ts	Method	TBLASTX:Soybean
Start	2	End	663
GI	none	Score	126
Exons	2..121, 12..662, 13..663		

Seq. No.	37017	Seq. ID	OJ990528_05.9C03.C39
Gene No.	76140	Strand	-
Start	209	End	663
Name	OJ990528_05.9C03.C39.o2.tc	Method	TBLASTX:Cress
Start	25	End	295
GI	none	Score	155
Exons	25..291, 33..290, 113..295		

Seq. No.	37017	Seq. ID	OJ990528_05.9C03.C39
Gene No.	76140	Strand	-
Start	209	End	663
Name	OJ990528_05.9C03.C39.o1.gp	Method	AAT/GAP
Start	209	End	663
GI	5005311	Score	851
Exons	209..663		
GI Descrip.	114521/sp|P12084|ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]		

Seq. No.	37017	Seq. ID	OJ990528_05.9C03.C39
Gene No.	76140	Strand	-
Start	209	End	663

Name	OJ990528_05.9C03.C39.o1.tc	Method	TBLASTX:Cress
Start	300	End	663
GI	none	Score	364
Exons	300..662, 301..663		

Seq. No.	37017	Seq. ID	OJ990528_05.9C03.C39
Gene No.	76140	Strand	-
Start	209	End	663
Name	OJ990528_05.9C03.C39.o1.tm	Method	TBLASTX:Maize
Start	442	End	662
GI	none	Score	48
Exons	442..513, 444..662, 574..627		

Seq. No.	37018	Seq. ID	OJ990528_05.9C03.C40
Gene No.	76141	Strand	
Start	130	End	699
Name	OJ990528_05.9C03.C40.o1.tc	Method	TBLASTX:Cress
Start	130	End	582
GI	none	Score	465
Exons	130..582, 189..575, 208..573		

Seq. No.	37018	Seq. ID	OJ990528_05.9C03.C40
Gene No.	76141	Strand	
Start	130	End	699
Name	OJ990528_05.9C03.C40.o1.ts	Method	TBLASTX:Soybean
Start	315	End	699
GI	none	Score	319
Exons	315..698, 315..698, 316..699, 319..699		

Seq. No.	37018	Seq. ID	OJ990528_05.9C03.C40
Gene No.	76142	Strand	
Start	758	End	1085
Name	OJ990528_05.9C03.C40.o2.tc	Method	TBLASTX:Cress
Start	758	End	1085
GI	none	Score	109
Exons	758..988, 789..1070, 796..1071, 850..1071, 1020..1085		

Seq. No.	37018	Seq. ID	OJ990528_05.9C03.C40
Gene No.	76142	Strand	
Start	758	End	1085
Name	OJ990528_05.9C03.C40.o2.ts	Method	TBLASTX:Soybean
Start	789	End	1064
GI	none	Score	166
Exons	789..1064, 792..968, 796..1062		

Seq. No.	37019	Seq. ID	OJ990528_05.9C03.C41
Gene No.	76145	Strand	
Start	1010	End	1321
Name	OJ990528_05.9C03.C41.o1.tc	Method	TBLASTX:Cress
Start	1010	End	1321
GI	none	Score	80
Exons	1010..1039, 1038..1127, 1041..1130, 1074..1319, 1105..1320, 1131..1319, 1199..1321		

Seq. No.	37020	Seq. ID	OJ990528_05.9C03.C42
Gene No.	76146	Strand	
Start	39	End	412

Name	OJ990528_05.9C03.C42.o1.tm	Method	TBLASTX:Maize
Start	39	End	412
GI	none	Score	88
Exons	39..137, 50..139, 132..293, 134..292, 135..305, 285..404, 286..411, 289..411, 290..412		

Seq. No.	37021	Seq. ID	OJ990528_05.9C03.C44
Gene No.	76147	Strand	
Start	73	End	218
Name	OJ990528_05.9C03.C44.o1.tm	Method	TBLASTX:Maize
Start	73	End	218
GI	none	Score	195
Exons	73..216, 73..216, 77..217, 78..218		

Seq. No.	37021	Seq. ID	OJ990528_05.9C03.C44
Gene No.	76148	Strand	
Start	171	End	431
Name	OJ990528_05.9C03.C44.o1.ts	Method	TBLASTX:Soybean
Start	171	End	431
GI	none	Score	57
Exons	171..260, 172..420, 172..381, 173..382, 312..431		

Seq. No.	37022	Seq. ID	OJ990528_05.9C03.C46
Gene No.	76149	Strand	
Start	61	End	725
Name	OJ990528_05.9C03.C46.o1.tm	Method	TBLASTX:Maize
Start	61	End	483
GI	none	Score	84
Exons	61..120, 62..121, 66..122, 106..165, 107..163, 111..185, 112..216, 191..220, 221..337, 222..359, 239..361, 317..379, 317..379, 386..481, 386..466, 388..483, 388..483		

Seq. No.	37022	Seq. ID	OJ990528_05.9C03.C46
Gene No.	76149	Strand	
Start	61	End	725
Name	OJ990528_05.9C03.C46.o1.tw	Method	TBLASTX:Wheat
Start	160	End	715
GI	none	Score	57
Exons	160..219, 191..220, 209..301, 214..300, 222..302, 222..305, 276..347, 294..335, 296..385, 296..346, 305..379, 321..392, 384..509, 386..499, 478..672, 496..636, 525..647, 596..682, 641..715, 642..710		

Seq. No.	37022	Seq. ID	OJ990528_05.9C03.C46
Gene No.	76149	Strand	
Start	61	End	725
Name	OJ990528_05.9C03.C46.o2.tm	Method	TBLASTX:Maize
Start	485	End	725
GI	none	Score	181
Exons	485..622, 496..621, 496..624, 626..670, 629..682, 631..672, 660..725, 662..715		

Seq. No.	37023	Seq. ID	OJ990528_05.9C03.C47
Gene No.	76150	Strand	
Start	347	End	822
Name	OJ990528_05.9C03.C47.o1.tc	Method	TBLASTX:Cress
Start	347	End	822

GI	none	Score	82
Exons	347..442, 356..442, 361..450, 648..695, 714..806, 714..818,	363..482, 366..443, 625..696, 715..822	

Seq. No.	37023	Seq. ID	OJ990528_05.9C03.C47
Gene No.	76150	Strand	
Start	347	End	822
Name	OJ990528_05.9C03.C47.o1.tm	Method	TBLASTX:Maize
Start	581	End	822
GI	none	Score	44
Exons	581..607, 583..606, 603..725, 616..726, 638..730, 696..821,	604..642, 605..724, 615..728, 724..822	

Seq. No.	37024	Seq. ID	OJ990528_05.9C03.C48
Gene No.	76151	Strand	+
Start	150	End	348
Name	OJ990528_05.9C03.C48.o1.tm	Method	TBLASTX:Maize
Start	36	End	347
GI	none	Score	69
Exons	36..74, 37..78, 37..72, 38..73, 123..251, 137..253, 143..259, 300..347	48..161, 64..108, 71..148, 254..283, 255..284, 297..347,	

Seq. No.	37024	Seq. ID	OJ990528_05.9C03.C48
Gene No.	76151	Strand	+
Start	150	End	348
Name	OJ990528_05.9C03.C48.o1.gp	Method	AAT/GAP
Start	150	End	348
GI	uC-osflM202088b07a1	Score	368
Exons	150..348		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		

Seq. No.	37025	Seq. ID	OJ990528_05.9C03.C49
Gene No.	76152	Strand	-
Start	38	End	580
Name	OJ990528_05.9C03.C49.o1.ts	Method	TBLASTX:Soybean
Start	1	End	465
GI	none	Score	590
Exons	1..465, 3..464		

Seq. No.	37025	Seq. ID	OJ990528_05.9C03.C49
Gene No.	76152	Strand	-
Start	38	End	580
Name	OJ990528_05.9C03.C49.o1.tc	Method	TBLASTX:Cress
Start	3	End	476
GI	none	Score	555
Exons	3..425, 4..423, 426..476, 428..469		

Seq. No.	37025	Seq. ID	OJ990528_05.9C03.C49
Gene No.	76152	Strand	-
Start	38	End	580
Name	OJ990528_05.9C03.C49.o1.gp	Method	AAT/GAP
Start	38	End	580
GI	42732_1.R1084	Score	1070
Exons	38..580		
GI Descrip.	'114657/sp|P12083|ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN		

PRECURSOR (SUBUNIT IV) >gi_67926_pir__LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf__1603356U ATPase a [Oryza sativa]'

Seq. No.	37026	Seq. ID	OJ990528_05.9C03.C50
Gene No.	76153	Strand	
Start	58	End	323
Name	OJ990528_05.9C03.C50.o2.tm	Method	TBLASTX:Maize
Start	58	End	323
GI	none	Score	74
Exons	58..114, 58..153, 62..235, 136..219, 184..249, 184..234, 217..291, 224..298, 236..295, 291..323, 292..321		

Seq. No.	37026	Seq. ID	OJ990528_05.9C03.C50
Gene No.	76154	Strand	
Start	324	End	840
Name	OJ990528_05.9C03.C50.o1.tm	Method	TBLASTX:Maize
Start	324	End	840
GI	none	Score	35
Exons	324..344, 344..508, 345..509, 345..509, 346..525, 347..550, 504..839, 507..839, 520..840		

Seq. No.	37026	Seq. ID	OJ990528_05.9C03.C50
Gene No.	76154	Strand	
Start	324	End	840
Name	OJ990528_05.9C03.C50.o1.ts	Method	TBLASTX:Soybean
Start	334	End	776
GI	none	Score	225
Exons	334..495, 341..508, 341..508, 342..509, 588..614, 609..680, 622..666, 626..700, 681..707, 741..776, 743..766		

Seq. No.	37026	Seq. ID	OJ990528_05.9C03.C50
Gene No.	76154	Strand	
Start	324	End	840
Name	OJ990528_05.9C03.C50.o1.tc	Method	TBLASTX:Cress
Start	335	End	836
GI	none	Score	201
Exons	335..520, 339..521, 339..521, 349..528, 614..697, 619..711, 619..699, 710..823, 720..824, 720..836		

Seq. No.	37027	Seq. ID	OJ990528_05.9C03.C51
Gene No.	76155	Strand	
Start	86	End	338
Name	OJ990528_05.9C03.C51.o2.ts	Method	TBLASTX:Soybean
Start	86	End	214
GI	none	Score	157
Exons	86..184, 88..213, 88..213, 89..214		

Seq. No.	37027	Seq. ID	OJ990528_05.9C03.C51
Gene No.	76155	Strand	
Start	86	End	338
Name	OJ990528_05.9C03.C51.o2.tc	Method	TBLASTX:Cress
Start	91	End	338
GI	none	Score	49
Exons	91..141, 101..142, 101..148, 143..232, 143..184, 145..222, 233..265, 264..338, 296..337		

Seq. No.	37027	Seq. ID	OJ990528_05.9C03.C51
Gene No.	76156	Strand	
Start	312	End	829
Name	OJ990528_05.9C03.C51.o1.ts	Method	TBLASTX:Soybean
Start	312	End	829
GI	none	Score	227
Exons	312..491, 320..472, 322..492, 473..658, 629..667, 714..827,	335..502, 454..636, 469..636, 715..828, 719..829	

Seq. No.	37027	Seq. ID	OJ990528_05.9C03.C51
Gene No.	76156	Strand	
Start	312	End	829
Name	OJ990528_05.9C03.C51.o1.tc	Method	TBLASTX:Cress
Start	396	End	598
GI	none	Score	160
Exons	396..596, 403..597, 403..597,	404..598	

Seq. No.	37028	Seq. ID	OJ990528_05.9C03.C52
Gene No.	76157	Strand	
Start	20	End	481
Name	OJ990528_05.9C03.C52.o1.tm	Method	TBLASTX:Maize
Start	20	End	472
GI	none	Score	100
Exons	20..211, 281..472		

Seq. No.	37028	Seq. ID	OJ990528_05.9C03.C52
Gene No.	76157	Strand	
Start	20	End	481
Name	OJ990528_05.9C03.C52.o2.tc	Method	TBLASTX:Cress
Start	20	End	481
GI	none	Score	100
Exons	20..211, 281..481, 373..480		

Seq. No.	37028	Seq. ID	OJ990528_05.9C03.C52
Gene No.	76158	Strand	
Start	394	End	909
Name	OJ990528_05.9C03.C52.o1.ts	Method	TBLASTX:Soybean
Start	394	End	909
GI	none	Score	437
Exons	394..606, 395..727, 467..754, 756..908, 796..909	582..755, 736..855, 755..904,	

Seq. No.	37028	Seq. ID	OJ990528_05.9C03.C52
Gene No.	76158	Strand	
Start	394	End	909
Name	OJ990528_05.9C03.C52.o1.tc	Method	TBLASTX:Cress
Start	494	End	893
GI	none	Score	323
Exons	494..733, 500..733, 591..755,	762..893, 764..892	

Seq. No.	37029	Seq. ID	OJ990528_05.9C03.C54
Gene No.	76159	Strand	-
Start	43	End	673
Name	OJ990528_05.9C03.C54.o1.gp	Method	AAT/GAP
Start	43	End	673
GI	183_5.R1084	Score	1232

Exons	43..673		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		
Seq. No.	37029	Seq. ID	OJ990528_05.9C03.C54
Gene No.	76159	Strand	-
Start	43	End	673
Name	OJ990528_05.9C03.C54.o1.tc	Method	TBLASTX:Cress
Start	43	End	420
GI	none	Score	156
Exons	43..144, 43..159, 45..194, 144..260, 148..261, 149..175, 152..268, 153..269, 205..273, 237..311, 242..343, 275..322, 312..386, 328..396, 338..382, 372..413, 378..419, 400..420		
Seq. No.	37029	Seq. ID	OJ990528_05.9C03.C54
Gene No.	76159	Strand	-
Start	43	End	673
Name	OJ990528_05.9C03.C54.o1.tm	Method	TBLASTX:Maize
Start	44	End	673
GI	none	Score	602
Exons	44..391, 45..413, 45..419, 328..429, 475..558, 476..559, 501..560, 553..672, 555..671, 559..672, 614..673		
Seq. No.	37029	Seq. ID	OJ990528_05.9C03.C54
Gene No.	76159	Strand	-
Start	43	End	673
Name	OJ990528_05.9C03.C54.o1.ts	Method	TBLASTX:Soybean
Start	44	End	671
GI	none	Score	152
Exons	44..142, 45..149, 45..143, 126..248, 158..253, 159..248, 205..255, 212..259, 275..310, 279..311, 311..352, 318..353, 341..403, 476..541, 477..542, 478..543, 501..542, 536..562, 537..563, 537..563, 570..671, 597..671		
Seq. No.	37029	Seq. ID	OJ990528_05.9C03.C54
Gene No.	76159	Strand	-
Start	43	End	673
Name	OJ990528_05.9C03.C54.o2.tc	Method	TBLASTX:Cress
Start	480	End	673
GI	none	Score	40
Exons	480..515, 505..546, 517..549, 540..671, 541..672, 541..672, 542..673		
Seq. No.	37030	Seq. ID	OJ990528_05.9C03.C56
Gene No.	76160	Strand	+
Start	244	End	748
Name	OJ990528_05.9C03.C56.o1.tw	Method	TBLASTX:Wheat
Start	69	End	656
GI	none	Score	102
Exons	69..188, 73..132, 119..181, 144..218, 202..654, 202..654, 231..656		
Seq. No.	37030	Seq. ID	OJ990528_05.9C03.C56

Gene No.	76160	Strand	+
Start	244	End	748
Name	OJ990528_05.9C03.C56.o1.ts	Method	TBLASTX:Soybean
Start	211	End	747
GI	none	Score	738
Exons	211..747, 211..747		

Seq. No.	37030	Seq. ID	OJ990528_05.9C03.C56
Gene No.	76160	Strand	+
Start	244	End	748
Name	OJ990528_05.9C03.C56.o1.tc	Method	TBLASTX:Cress
Start	220	End	696
GI	none	Score	41
Exons	220..252, 254..694, 255..677, 256..696, 259..696		

Seq. No.	37030	Seq. ID	OJ990528_05.9C03.C56
Gene No.	76160	Strand	+
Start	244	End	748
Name	OJ990528_05.9C03.C56.o1.tm	Method	TBLASTX:Maize
Start	238	End	747
GI	none	Score	686
Exons	238..747, 249..746, 250..747		

Seq. No.	37030	Seq. ID	OJ990528_05.9C03.C56
Gene No.	76160	Strand	+
Start	244	End	748
Name	OJ990528_05.9C03.C56.o1.gp	Method	AAT/GAP
Start	244	End	748
GI	24824_1.R1084	Score	971
Exons	244..748		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	37031	Seq. ID	OJ990528_05.9C03.C57
Gene No.	76161	Strand	+
Start	1	End	493
Name	OJ990528_05.9C03.C57.o1.gp	Method	AAT/GAP
Start	1	End	493
GI	14384_1.R1084	Score	728
Exons	1..379, 465..493		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	37031	Seq. ID	OJ990528_05.9C03.C57
Gene No.	76161	Strand	+
Start	1	End	493
Name	OJ990528_05.9C03.C57.o1.tw	Method	TBLASTX:Wheat
Start	1	End	332
GI	none	Score	400
Exons	1..282, 3..332, 3..326		

Seq. No.	37031	Seq. ID	OJ990528_05.9C03.C57
Gene No.	76161	Strand	+
Start	1	End	493
Name	OJ990528_05.9C03.C57.o1.tm	Method	TBLASTX:Maize
Start	1	End	463

GI	none	Score	423
Exons	1..282, 1..294, 3..296, 3..296, 404..463, 408..461, 416..463		

Seq. No.	37031	Seq. ID	OJ990528_05.9C03.C57
Gene No.	76161	Strand	+
Start	1	End	493
Name	OJ990528_05.9C03.C57.o1.tc	Method	TBLASTX:Cress
Start	47	End	316
GI	none	Score	353
Exons	47..178, 48..314, 48..314, 215..316		

Seq. No.	37031	Seq. ID	OJ990528_05.9C03.C57
Gene No.	76162	Strand	
Start	603	End	1348
Name	OJ990528_05.9C03.C57.o2.tm	Method	TBLASTX:Maize
Start	603	End	1348
GI	none	Score	52
Exons	603..635, 605..655, 630..662, 630..662, 648..752, 648..734, 662..754, 1286..1348		

Seq. No.	37032	Seq. ID	OJ990528_05.9C03.C58
Gene No.	76163	Strand	
Start	1	End	382
Name	OJ990528_05.9C03.C58.o1.tc	Method	TBLASTX:Cress
Start	1	End	382
GI	none	Score	277
Exons	1..378, 20..382, 47..334		

Seq. No.	37032	Seq. ID	OJ990528_05.9C03.C58
Gene No.	76163	Strand	
Start	1	End	382
Name	OJ990528_05.9C03.C58.o1.tm	Method	TBLASTX:Maize
Start	1	End	321
GI	none	Score	445
Exons	1..321, 1..321		

Seq. No.	37032	Seq. ID	OJ990528_05.9C03.C58
Gene No.	76163	Strand	
Start	1	End	382
Name	OJ990528_05.9C03.C58.o1.ts	Method	TBLASTX:Soybean
Start	1	End	243
GI	none	Score	197
Exons	1..225, 1..243, 3..227, 62..241		

Seq. No.	37033	Seq. ID	OJ990528_05.9C03.C59
Gene No.	76164	Strand	
Start	32	End	288
Name	OJ990528_05.9C03.C59.o1.ts	Method	TBLASTX:Soybean
Start	32	End	288
GI	none	Score	417
Exons	32..286, 32..286, 34..288, 34..288		

Seq. No.	37034	Seq. ID	OJ990528_05.9C03.C60
Gene No.	76165	Strand	
Start	58	End	250
Name	OJ990528_05.9C03.C60.o1.tw	Method	TBLASTX:Wheat
Start	58	End	250

GI	none	Score	126
Exons	58..234, 58..249, 60..242, 68..250		
Seq. No.	37035	Seq. ID	OJ990528_05.9C03.C61
Gene No.	76166	Strand	
Start	73	End	666
Name	OJ990528_05.9C03.C61.o1.tw	Method	TBLASTX:Wheat
Start	73	End	245
GI	none	Score	111
Exons	73..144, 75..245, 75..245		
Seq. No.	37035	Seq. ID	OJ990528_05.9C03.C61
Gene No.	76166	Strand	
Start	73	End	666
Name	OJ990528_05.9C03.C61.o2.tc	Method	TBLASTX:Cress
Start	84	End	251
GI	none	Score	174
Exons	84..251		
Seq. No.	37035	Seq. ID	OJ990528_05.9C03.C61
Gene No.	76166	Strand	
Start	73	End	666
Name	OJ990528_05.9C03.C61.o1.ts	Method	TBLASTX:Soybean
Start	120	End	666
GI	none	Score	97
Exons	120..317, 129..296, 134..310, 324..398, 331..384, 387..518, 389..520, 413..523, 535..666		
Seq. No.	37035	Seq. ID	OJ990528_05.9C03.C61
Gene No.	76166	Strand	
Start	73	End	666
Name	OJ990528_05.9C03.C61.o1.tc	Method	TBLASTX:Cress
Start	252	End	666
GI	none	Score	83
Exons	252..392, 253..378, 366..518, 394..516, 413..523, 414..521, 551..664, 552..665, 553..666, 553..666		
Seq. No.	37036	Seq. ID	OJ990528_06.9C03.C2
Gene No.	76169	Strand	-
Start	580	End	684
Name	OJ990528_06.9C03.C2.o1.gs	Method	GENSCAN
Start	580	End	684
GI	none	Score	.45
Exons	580..684		
Seq. No.	37037	Seq. ID	OJ990528_06.9C03.C4
Gene No.	76170	Strand	-
Start	120	End	250
Name	OJ990528_06.9C03.C4.o1.gs	Method	GENSCAN
Start	120	End	250
GI	none	Score	.47
Exons	120..250		
Seq. No.	37038	Seq. ID	OJ990528_06.9C03.C5
Gene No.	76171	Strand	+
Start	1	End	507
Name	OJ990528_06.9C03.C5.o1.gp	Method	AAT/GAP

Start	1	End	428
GI	23997_1.R1084	Score	628
Exons	1..122, 211..428		
GI Descrip.	'2894599/emb|CAA17133.1| 4.0e-21 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	37038	Seq. ID	OJ990528_06.9C03.C5
Gene No.	76171	Strand	+
Start	1	End	507
Name	OJ990528_06.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	480
GI	6714272	Score	300
Exons	1..134, 274..480		
GI Descrip.	(AC017118) F6N18.8 [Arabidopsis thaliana]		

Seq. No.	37038	Seq. ID	OJ990528_06.9C03.C5
Gene No.	76171	Strand	+
Start	1	End	507
Name	OJ990528_06.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	3	End	483
GI	none	Score	196
Exons	3..125, 5..121, 373..459, 442..483		

Seq. No.	37038	Seq. ID	OJ990528_06.9C03.C5
Gene No.	76171	Strand	+
Start	1	End	507
Name	OJ990528_06.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	3	End	483
GI	none	Score	220
Exons	3..125, 5..121, 367..483		

Seq. No.	37038	Seq. ID	OJ990528_06.9C03.C5
Gene No.	76171	Strand	+
Start	1	End	507
Name	OJ990528_06.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	32	End	507
GI	none	Score	167
Exons	32..121, 33..125, 199..288, 210..287, 330..410, 363..386, 389..481, 390..482, 391..507, 438..482		

Seq. No.	37038	Seq. ID	OJ990528_06.9C03.C5
Gene No.	76171	Strand	+
Start	1	End	507
Name	OJ990528_06.9C03.C5.o1.gs	Method	GENSCAN
Start	48	End	483
GI	none	Score	.43
Exons	48..165, 191..483		

Seq. No.	37039	Seq. ID	OJ990528_06.9C03.C6
Gene No.	76172	Strand	+
Start	87	End	551
Name	OJ990528_06.9C03.C6.o1.gs	Method	GENSCAN
Start	87	End	551
GI	none	Score	.51
Exons	87..551		

Seq. No.	37040	Seq. ID	OJ990528_06.9C03.C7

Gene No.	76173	Strand	-
Start	250	End	588
Name	OJ990528_06.9C03.C7.o1.gs	Method	GENSCAN
Start	250	End	588
GI	none	Score	.92
Exons	250..588		

Seq. No.	37041	Seq. ID	OJ990528_06.9C03.C8
Gene No.	76174	Strand	+
Start	93	End	281
Name	OJ990528_06.9C03.C8.o1.gs	Method	GENSCAN
Start	93	End	281
GI	none	Score	.98
Exons	93..281		

Seq. No.	37042	Seq. ID	OJ990528_06.9C03.C9
Gene No.	76175	Strand	-
Start	186	End	632
Name	OJ990528_06.9C03.C9.o1.gp	Method	AAT/GAP
Start	155	End	507
GI	2800006	Score	586
Exons	155..507		

Seq. No.	37042	Seq. ID	OJ990528_06.9C03.C9
Gene No.	76175	Strand	-
Start	186	End	632
Name	OJ990528_06.9C03.C9.o1.gs	Method	GENSCAN
Start	186	End	522
GI	none	Score	.42
Exons	186..253, 468..522		

Seq. No.	37042	Seq. ID	OJ990528_06.9C03.C9
Gene No.	76175	Strand	-
Start	186	End	632
Name	OJ990528_06.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	400	End	632
GI	none	Score	119
Exons	400..444, 404..490, 405..491, 575..631, 586..630, 587..631,	405..491, 588..632	406..492, 434..502,

Seq. No.	37043	Seq. ID	OJ990528_06.9C03.C10
Gene No.	76176	Strand	+
Start	254	End	1317
Name	OJ990528_06.9C03.C10.o1.gp	Method	AAT/GAP
Start	254	End	1317
GI	2310574	Score	464
Exons	254..425, 1030..1146, 1297..1317		
GI Descrip.	3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37043	Seq. ID	OJ990528_06.9C03.C10
Gene No.	76176	Strand	+
Start	254	End	1317
Name	OJ990528_06.9C03.C10.o1.np	Method	AAT/NAP
Start	365	End	1317

GI	3834314	Score	168
Exons	365..425, 1030..1317		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and gb|AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37043	Seq. ID	OJ990528_06.9C03.C10
Gene No.	76177	Strand	-
Start	241	End	1150
Name	OJ990528_06.9C03.C10.o1.gs	Method	GENSCAN
Start	241	End	1094
GI	none	Score	.47
Exons	241..314, 989..1094		

Seq. No.	37043	Seq. ID	OJ990528_06.9C03.C10
Gene No.	76177	Strand	-
Start	241	End	1150
Name	OJ990528_06.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	386	End	1150
GI	none	Score	58
Exons	386..427, 1008..1148, 1026..1148, 1028..1150		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76178	Strand	+
Start	1	End	3361
Name	OJ990528_06.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	1229
GI	3834314	Score	732
Exons	1..72, 171..317, 463..605, 698..864, 943..1229		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and gb|AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76178	Strand	+
Start	1	End	3361
Name	OJ990528_06.9C03.C11.o1.gs	Method	GENSCAN
Start	463	End	3361
GI	none	Score	.68
Exons	463..599, 698..864, 943..1132, 2072..2211, 3248..3361		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76178	Strand	+
Start	1	End	3361
Name	OJ990528_06.9C03.C11.o1.gp	Method	AAT/GAP
Start	822	End	1450
GI	5771053	Score	1046
Exons	822..864, 943..1450		
GI Descrip.	3834314 2.0e-37 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76179	Strand	+
Start	4714	End	5413
Name	OJ990528_06.9C03.C11.o2.np	Method	AAT/NAP

Start	4714	End	5413
GI	4510376	Score	212
Exons	4714..4935, 5308..5413		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	198	End	837
GI	none	Score	204
Exons	198..338, 199..339, 199..339, 440..607, 460..600, 696..836, 696..836, 697..837		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	789	End	1169
GI	none	Score	124
Exons	789..866, 790..864, 796..870, 798..866, 940..963, 942..962, 951..1016, 958..1017, 962..1015, 963..1016, 1017..1169, 1018..1167		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	955	End	1215
GI	none	Score	298
Exons	955..1215, 955..1059, 956..1060, 957..1196		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	1074	End	1265
GI	none	Score	257
Exons	1074..1238, 1075..1260, 1131..1265		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	4717	End	4935
GI	none	Score	135
Exons	4717..4836, 4731..4835, 4834..4935		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	4726	End	4935
GI	none	Score	183
Exons	4726..4890, 4734..4874, 4891..4935		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11

Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	4731	End	4935
GI	none	Score	133
Exons	4731..4835, 4732..4836, 4834..4935		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o2.tc	Method	TBLASTX:Cress
Start	4734	End	4941
GI	none	Score	121
Exons	4734..4835, 4735..4833, 4846..4941		

Seq. No.	37044	Seq. ID	OJ990528_06.9C03.C11
Gene No.	76180	Strand	-
Start	4806	End	5375
Name	OJ990528_06.9C03.C11.o2.gs	Method	GENSCAN
Start	4806	End	5375
GI	none	Score	.7
Exons	4806..5375		

Seq. No.	37045	Seq. ID	OJ990528_06.9C03.C12
Gene No.	76181	Strand	+
Start	1	End	518
Name	OJ990528_06.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	509
GI	4510376	Score	203
Exons	1..509		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	37045	Seq. ID	OJ990528_06.9C03.C12
Gene No.	76181	Strand	+
Start	1	End	518
Name	OJ990528_06.9C03.C12.o1.gs	Method	GENSCAN
Start	90	End	518
GI	none	Score	1
Exons	90..518		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76182	Strand	+
Start	512	End	978
Name	OJ990528_06.9C03.C13.o1.gp	Method	AAT/GAP
Start	512	End	835
GI	1632139	Score	604
Exons	512..835		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76182	Strand	+
Start	512	End	978
Name	OJ990528_06.9C03.C13.o1.gs	Method	GENSCAN
Start	610	End	978
GI	none	Score	.72
Exons	610..978		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13

Gene No.	76183	Strand	+
Start	2587	End	2950
Name	OJ990528_06.9C03.C13.o2.gp	Method	AAT/GAP
Start	2587	End	2950
GI	46921_1.R1084	Score	701
Exons	2587..2950		
GI Descrip.	'3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76184	Strand	-
Start	1642	End	2311
Name	OJ990528_06.9C03.C13.o2.gs	Method	GENSCAN
Start	1642	End	2311
GI	none	Score	.89
Exons	1642..1784, 2299..2311		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76185	Strand	-
Start	2962	End	5180
Name	OJ990528_06.9C03.C13.o2.tm	Method	TBLASTX:Maize
Start	600	End	900
GI	none	Score	249
Exons	600..737, 601..900, 822..854		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76185	Strand	-
Start	2962	End	5180
Name	OJ990528_06.9C03.C13.o3.gs	Method	GENSCAN
Start	2962	End	4371
GI	none	Score	.85
Exons	2962..3264, 3364..3525, 4324..4371		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76185	Strand	-
Start	2962	End	5180
Name	OJ990528_06.9C03.C13.o1.np	Method	AAT/NAP
Start	3031	End	5180
GI	2459442	Score	348
Exons	3031..3264, 3364..3525, 4307..4438, 5053..5180		
GI Descrip.	(AC002332) AT-hook DNA-binding protein (AHP1) [Arabidopsis thaliana]		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76185	Strand	-
Start	2962	End	5180
Name	OJ990528_06.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	3044	End	3525
GI	none	Score	69
Exons	3044..3145, 3181..3288, 3218..3268, 3361..3525, 3362..3520		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76185	Strand	-
Start	2962	End	5180
Name	OJ990528_06.9C03.C13.o1.tc	Method	TBLASTX:Cress

Start	3187	End	4441
GI	none	Score	56
Exons	3187..3288, 3230..3268, 3361..3528, 3362..3526, 4328..4441, 4341..4439		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76185	Strand	-
Start	2962	End	5180
Name	OJ990528_06.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	3334	End	4405
GI	none	Score	149
Exons	3334..3528, 3362..3526, 4305..4391, 4307..4405, 4308..4403		

Seq. No.	37046	Seq. ID	OJ990528_06.9C03.C13
Gene No.	76185	Strand	-
Start	2962	End	5180
Name	OJ990528_06.9C03.C13.o3.tm	Method	TBLASTX:Maize
Start	4305	End	4459
GI	none	Score	153
Exons	4305..4439, 4307..4459, 4314..4439		

Seq. No.	37047	Seq. ID	OJ990528_06.9C03.C14
Gene No.	76186	Strand	-
Start	271	End	4443
Name	OJ990528_06.9C03.C14.o1.gs	Method	GENSCAN
Start	271	End	4101
GI	none	Score	.57
Exons	271..356, 1114..1618, 1638..1829, 2360..2478, 2655..2733, 3250..4101		

Seq. No.	37047	Seq. ID	OJ990528_06.9C03.C14
Gene No.	76186	Strand	-
Start	271	End	4443
Name	OJ990528_06.9C03.C14.o1.gp	Method	AAT/GAP
Start	1331	End	1720
GI	4880249	Score	643
Exons	1331..1720		

Seq. No.	37047	Seq. ID	OJ990528_06.9C03.C14
Gene No.	76186	Strand	-
Start	271	End	4443
Name	OJ990528_06.9C03.C14.o1.np	Method	AAT/NAP
Start	1335	End	4443
GI	4926870	Score	758
Exons	1335..1363, 2763..4443		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	37047	Seq. ID	OJ990528_06.9C03.C14
Gene No.	76186	Strand	-
Start	271	End	4443
Name	OJ990528_06.9C03.C14.o2.tw	Method	TBLASTX:Wheat
Start	2800	End	3192
GI	none	Score	89
Exons	2800..3192, 2828..3160		

Seq. No.	37047	Seq. ID	OJ990528_06.9C03.C14

Gene No.	76186	Strand	-
Start	271	End	4443
Name	OJ990528_06.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	3559	End	3957
GI	none	Score	174
Exons	3559..3633, 3608..3949, 3634..3957		

Seq. No.	37047	Seq. ID	OJ990528_06.9C03.C14
Gene No.	76186	Strand	-
Start	271	End	4443
Name	OJ990528_06.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	3613	End	3966
GI	none	Score	94
Exons	3613..3966, 3617..3928, 3838..3966		

Seq. No.	37047	Seq. ID	OJ990528_06.9C03.C14
Gene No.	76186	Strand	-
Start	271	End	4443
Name	OJ990528_06.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	3622	End	4038
GI	none	Score	121
Exons	3622..3822, 3838..4038		

Seq. No.	37047	Seq. ID	OJ990528_06.9C03.C14
Gene No.	76186	Strand	-
Start	271	End	4443
Name	OJ990528_06.9C03.C14.o3.tw	Method	TBLASTX:Wheat
Start	4021	End	4392
GI	none	Score	124
Exons	4021..4227, 4240..4392		

Seq. No.	37048	Seq. ID	OJ990528_06.9C03.C15
Gene No.	76187	Strand	-
Start	1	End	1002
Name	OJ990528_06.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	1002
GI	2583130	Score	672
Exons	1..1002		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	37048	Seq. ID	OJ990528_06.9C03.C15
Gene No.	76187	Strand	-
Start	1	End	1002
Name	OJ990528_06.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	40	End	390
GI	none	Score	142
Exons	40..123, 154..390		

Seq. No.	37048	Seq. ID	OJ990528_06.9C03.C15
Gene No.	76187	Strand	-
Start	1	End	1002
Name	OJ990528_06.9C03.C15.o1.tw	Method	TBLASTX:Wheat
Start	46	End	463
GI	none	Score	122
Exons	46..405, 47..463		

Seq. No.	37048	Seq. ID	OJ990528_06.9C03.C15
Gene No.	76187	Strand	-
Start	1	End	1002
Name	OJ990528_06.9C03.C15.o1.ts	Method	TBLASTX:Soybean
Start	484	End	885
GI	none	Score	106
Exons	484..783, 766..885		

Seq. No.	37049	Seq. ID	OJ990528_06.9C03.C16
Gene No.	76188	Strand	-
Start	24	End	747
Name	OJ990528_06.9C03.C16.o1.gs	Method	GENSCAN
Start	24	End	747
GI	none	Score	.5
Exons	24..747		

Seq. No.	37050	Seq. ID	OJ990528_06.9C03.C17
Gene No.	76189	Strand	+
Start	690	End	3939
Name	OJ990528_06.9C03.C17.o1.np	Method	AAT/NAP
Start	690	End	3713
GI	5917666	Score	107
Exons	690..780, 1091..1603, 2067..2338, 3671..3713		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	37050	Seq. ID	OJ990528_06.9C03.C17
Gene No.	76189	Strand	+
Start	690	End	3939
Name	OJ990528_06.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	2187	End	3694
GI	none	Score	86
Exons	2187..2336, 2188..2328, 2201..2338, 2212..2337, 3261..3362, 3261..3362, 3262..3363, 3449..3508, 3450..3506, 3453..3515, 3454..3519, 3592..3660, 3602..3688, 3603..3689, 3603..3689, 3604..3690, 3650..3694		

Seq. No.	37050	Seq. ID	OJ990528_06.9C03.C17
Gene No.	76189	Strand	+
Start	690	End	3939
Name	OJ990528_06.9C03.C17.o1.gs	Method	GENSCAN
Start	2201	End	3908
GI	none	Score	.48
Exons	2201..2338, 3397..3505, 3841..3908		

Seq. No.	37050	Seq. ID	OJ990528_06.9C03.C17
Gene No.	76189	Strand	+
Start	690	End	3939
Name	OJ990528_06.9C03.C17.o1.gp	Method	AAT/GAP
Start	3587	End	3939
GI	2800006	Score	570
Exons	3587..3939		

Seq. No.	37051	Seq. ID	OJ990528_06.9C03.C18
Gene No.	76190	Strand	+
Start	5816	End	6021
Name	OJ990528_06.9C03.C18.o3.gs	Method	GENSCAN
Start	5816	End	6021

GI	none	Score	.91
Exons	5816..6021		

Seq. No.	37051	Seq. ID	OJ990528_06.9C03.C18
Gene No.	76191	Strand	-
Start	1072	End	4659
Name	OJ990528_06.9C03.C18.o2.gs	Method	GENSCAN
Start	1072	End	4659
GI	none	Score	.8
Exons	1072..1185, 1526..1646, 1705..3880, 4086..4659		

Seq. No.	37051	Seq. ID	OJ990528_06.9C03.C18
Gene No.	76191	Strand	-
Start	1072	End	4659
Name	OJ990528_06.9C03.C18.o1.np	Method	AAT/NAP
Start	3127	End	3492
GI	6598344	Score	78
Exons	3127..3283, 3450..3492		
GI Descrip.	(AC002335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37052	Seq. ID	OJ990528_06.9C03.C19
Gene No.	76192	Strand	+
Start	1	End	1568
Name	OJ990528_06.9C03.C19.o1.np	Method	AAT/NAP
Start	1	End	1568
GI	1015937	Score	512
Exons	1..1105, 1327..1568		
GI Descrip.	(X91836) extensin class 1 protein [Vigna unguiculata]		

Seq. No.	37052	Seq. ID	OJ990528_06.9C03.C19
Gene No.	76193	Strand	-
Start	19	End	1839
Name	OJ990528_06.9C03.C19.o1.gs	Method	GENSCAN
Start	19	End	1839
GI	none	Score	.65
Exons	19..1602, 1681..1839		

Seq. No.	37053	Seq. ID	OJ990528_06.9C03.C20
Gene No.	76194	Strand	+
Start	700	End	4346
Name	OJ990528_06.9C03.C20.o1.gs	Method	GENSCAN
Start	700	End	4223
GI	none	Score	.52
Exons	700..870, 1084..1110, 2018..2131, 2647..2698, 4054..4223		

Seq. No.	37053	Seq. ID	OJ990528_06.9C03.C20
Gene No.	76194	Strand	+
Start	700	End	4346
Name	OJ990528_06.9C03.C20.o1.gp	Method	AAT/GAP
Start	990	End	4346
GI	uC-osroM202023h12b1	Score	972
Exons	990..1110, 3958..4346		
GI Descrip.	'3785989 8.0e-14 (AC005560) unknown protein [Arabidopsis thaliana]'		

Seq. No.	37053	Seq. ID	OJ990528_06.9C03.C20
Gene No.	76195	Strand	-

Start	5811	End	6211
Name	OJ990528_06.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	3966	End	4222
GI	none	Score	110
Exons	3966..4067, 3969..4106, 3970..4089, 3977..4105, 4122..4217, 4124..4216, 4126..4218, 4136..4222		

Seq. No.	37053	Seq. ID	OJ990528_06.9C03.C20
Gene No.	76195	Strand	-
Start	5811	End	6211
Name	OJ990528_06.9C03.C20.o2.gp	Method	AAT/GAP
Start	5811	End	6211
GI	2310574	Score	264
Exons	5811..5984, 6175..6211		
GI Descrip.	3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37054	Seq. ID	OJ990528_06.9C03.C21
Gene No.	76196	Strand	+
Start	248	End	1434
Name	OJ990528_06.9C03.C21.o1.np	Method	AAT/NAP
Start	248	End	1434
GI	3834314	Score	680
Exons	248..410, 684..877, 958..1063, 1164..1434		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and gb|AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37054	Seq. ID	OJ990528_06.9C03.C21
Gene No.	76196	Strand	+
Start	248	End	1434
Name	OJ990528_06.9C03.C21.o1.tc	Method	TBLASTX:Cress
Start	272	End	1065
GI	none	Score	187
Exons	272..412, 290..412, 292..414, 676..879, 680..892, 683..862, 684..896, 694..879, 955..1065, 960..1064		

Seq. No.	37054	Seq. ID	OJ990528_06.9C03.C21
Gene No.	76196	Strand	+
Start	248	End	1434
Name	OJ990528_06.9C03.C21.o1.gp	Method	AAT/GAP
Start	291	End	833
GI	2310574	Score	476
Exons	291..410, 684..833		
GI Descrip.	3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37054	Seq. ID	OJ990528_06.9C03.C21
Gene No.	76196	Strand	+
Start	248	End	1434
Name	OJ990528_06.9C03.C21.o1.gs	Method	GENSCAN
Start	294	End	1315
GI	none	Score	.77

Exons	294..410, 684..877, 958..1063, 1164..1315		
Seq. No.	37054	Seq. ID	OJ990528_06.9C03.C21
Gene No.	76196	Strand	+
Start	248	End	1434
Name	OJ990528_06.9C03.C21.o1.ts	Method	TBLASTX:Soybean
Start	827	End	1312
GI	none	Score	74
Exons	827..892, 955..1068, 955..1068, 960..1079, 1162..1299, 1163..1312		
Seq. No.	37054	Seq. ID	OJ990528_06.9C03.C21
Gene No.	76196	Strand	+
Start	248	End	1434
Name	OJ990528_06.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	1193	End	1359
GI	none	Score	216
Exons	1193..1333, 1193..1333, 1288..1359		
Seq. No.	37055	Seq. ID	OJ990528_06.9C03.C23
Gene No.	76197	Strand	+
Start	206	End	752
Name	OJ990528_06.9C03.C23.o1.gs	Method	GENSCAN
Start	206	End	752
GI	none	Score	.66
Exons	206..483, 576..752		
Seq. No.	37056	Seq. ID	OJ990528_06.9C03.C26
Gene No.	76198	Strand	-
Start	276	End	468
Name	OJ990528_06.9C03.C26.o1.gp	Method	AAT/GAP
Start	276	End	468
GI	uC-osrocyp016c08a1	Score	330
Exons	276..468		
GI Descrip.	'3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	37057	Seq. ID	OJ990528_06.9C03.C27
Gene No.	76199	Strand	+
Start	404	End	1603
Name	OJ990528_06.9C03.C27.o1.gs	Method	GENSCAN
Start	404	End	1603
GI	none	Score	.72
Exons	404..505, 1574..1603		
Seq. No.	37057	Seq. ID	OJ990528_06.9C03.C27
Gene No.	76200	Strand	+
Start	2237	End	4961
Name	OJ990528_06.9C03.C27.o1.np	Method	AAT/NAP
Start	2237	End	4934
GI	3608147	Score	389
Exons	2237..2314, 2911..3204, 3312..3410, 4242..4523, 4797..4934		
GI Descrip.	(AC005314) putative chloroplast RNA binding protein precursor [Arabidopsis thaliana]		

Seq. No.	37057	Seq. ID	OJ990528_06.9C03.C27
Gene No.	76200	Strand	+
Start	2237	End	4961
Name	OJ990528_06.9C03.C27.o2.gs	Method	GENSCAN
Start	2875	End	4961
GI	none	Score	.85
Exons	2875..3204, 3312..3410, 4242..4523, 4797..4961		

Seq. No.	37057	Seq. ID	OJ990528_06.9C03.C27
Gene No.	76201	Strand	-
Start	5893	End	7374
Name	OJ990528_06.9C03.C27.o3.gs	Method	GENSCAN
Start	5893	End	7374
GI	none	Score	.59
Exons	5893..5916, 7319..7374		

Seq. No.	37058	Seq. ID	OJ990528_06.9C03.C28
Gene No.	76202	Strand	+
Start	992	End	2210
Name	OJ990528_06.9C03.C28.o1.gs	Method	GENSCAN
Start	992	End	2160
GI	none	Score	.6
Exons	992..1148, 1247..1308, 1503..2160		

Seq. No.	37058	Seq. ID	OJ990528_06.9C03.C28
Gene No.	76202	Strand	+
Start	992	End	2210
Name	OJ990528_06.9C03.C28.o1.np	Method	AAT/NAP
Start	1529	End	2210
GI	6017119	Score	519
Exons	1529..2210		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	37058	Seq. ID	OJ990528_06.9C03.C28
Gene No.	76202	Strand	+
Start	992	End	2210
Name	OJ990528_06.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	1570	End	2032
GI	none	Score	179
Exons	1570..1626, 1571..1654, 1640..1669, 1666..1791, 1667..1819, 1712..1819, 1906..2016, 1907..2029, 1931..2032		

Seq. No.	37058	Seq. ID	OJ990528_06.9C03.C28
Gene No.	76202	Strand	+
Start	992	End	2210
Name	OJ990528_06.9C03.C28.o1.tc	Method	TBLASTX:Cress
Start	1925	End	2146
GI	none	Score	203
Exons	1925..2146, 1927..2139		

Seq. No.	37058	Seq. ID	OJ990528_06.9C03.C28
Gene No.	76202	Strand	+
Start	992	End	2210
Name	OJ990528_06.9C03.C28.o1.ts	Method	TBLASTX:Soybean
Start	1927	End	2181
GI	none	Score	302
Exons	1927..2181, 1928..2179		

Seq. No.	37059	Seq. ID	OJ990528_06.9C03.C29
Gene No.	76203	Strand	+
Start	71	End	320
Name	OJ990528_06.9C03.C29.o1.gs	Method	GENSCAN
Start	71	End	320
GI	none	Score	.91
Exons	71..104, 196..320		

Seq. No.	37060	Seq. ID	OJ990528_06.9C03.C30
Gene No.	76204	Strand	-
Start	264	End	7256
Name	OJ990528_06.9C03.C30.o1.gs	Method	GENSCAN
Start	264	End	4557
GI	none	Score	.9
Exons	264..283, 1157..1274, 3092..3589, 4180..4557		

Seq. No.	37060	Seq. ID	OJ990528_06.9C03.C30
Gene No.	76204	Strand	-
Start	264	End	7256
Name	OJ990528_06.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	1191	End	3262
GI	none	Score	106
Exons	1191..1295, 3092..3262, 3093..3260		

Seq. No.	37060	Seq. ID	OJ990528_06.9C03.C30
Gene No.	76204	Strand	-
Start	264	End	7256
Name	OJ990528_06.9C03.C30.o1.np	Method	AAT/NAP
Start	1197	End	7256
GI	6899893	Score	307
Exons	1197..1277, 3092..3324, 3457..3589, 4180..4523, 7218..7256		
GI Descrip.	(AL138642) putative protein [Arabidopsis thaliana]		

Seq. No.	37060	Seq. ID	OJ990528_06.9C03.C30
Gene No.	76204	Strand	-
Start	264	End	7256
Name	OJ990528_06.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	1213	End	3365
GI	none	Score	96
Exons	1213..1275, 1215..1280, 3068..3268, 3089..3262, 3226..3267, 3323..3358, 3327..3359, 3327..3365		

Seq. No.	37061	Seq. ID	OJ990528_06.9C03.C31
Gene No.	76205	Strand	+
Start	1	End	3973
Name	OJ990528_06.9C03.C31.o1.np	Method	AAT/NAP
Start	1	End	3973
GI	765323	Score	63
Exons	1..24, 752..840, 1066..1476, 3855..3973		
GI Descrip.	(S74439) silk fibroin heavy chain {C-terminal} [Bombyx mori=silkworms, Peptide Partial, 633 aa] [Bombyx mori]		

Seq. No.	37061	Seq. ID	OJ990528_06.9C03.C31
Gene No.	76206	Strand	-
Start	206	End	6563
Name	OJ990528_06.9C03.C31.o1.gs	Method	GENSCAN

Start	206	End	6563
GI	none	Score	.62
Exons	206..339, 1034..1378, 1593..1620, 2276..2306, 3826..3982, 6518..6563		

Seq. No.	37062	Seq. ID	OJ990528_06.9C03.C32
Gene No.	76207	Strand	+
Start	482	End	2772
Name	OJ990528_06.9C03.C32.o1.np	Method	AAT/NAP
Start	482	End	2772
GI	6016696	Score	214
Exons	482..840, 2742..2772		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thali a]		

Seq. No.	37062	Seq. ID	OJ990528_ 03.C32
Gene No.	76208	Strand	-
Start	1	End	1943
Name	OJ990528_06.9C03.C32.o2.np	Method	AAT/NAP
Start	1	End	1943
GI	6721547	Score	82
Exons	1..180, 1859..1943		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	37062	Seq. ID	OJ990528_06.9C03.C32
Gene No.	76208	Strand	-
Start	1	End	1943
Name	OJ990528_06.9C03.C32.o1.gs	Method	GENSCAN
Start	34	End	835
GI	none	Score	.73
Exons	34..182, 215..302, 426..835		

Seq. No.	37063	Seq. ID	O .9C03.C33
Gene No.	76209	Strand	+
Start	2534	End	3541
Name	OJ990528_06.9C03.C33.o2.gs	Method	GENSCAN
Start	2534	End	3541
GI	none	Score	.98
Exons	2534..2580, 3316..3541		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76210	Strand	+
Start	14948	End	16804
Name	OJ990528_06.9C03.C33.o7.gs	Method	GENSCAN
Start	14948	End	16804
GI	none	Score	.44
Exons	14948..15009, 15112..15299, 15397..15510, 16707..16804		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76211	Strand	+
Start	18380	End	18631
Name	OJ990528_06.9C03.C33.o8.gs	Method	GENSCAN
Start	18380	End	18631
GI	none	Score	.89
Exons	18380..18631		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76212	Strand	+

Start	27149	End	27435
Name	OJ990528_06.9C03.C33.o11.gs	Method	GENSCAN
Start	27149	End	27435
GI	none	Score	.89
Exons	27149..27242, 27284..27435		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76213	Strand	+
Start	31610	End	32510
Name	OJ990528_06.9C03.C33.o5.np	Method	AAT/NAP
Start	31610	End	32510
GI	2245139	Score	758
Exons	31610..32510		
GI Descrip.	(Z97344) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76214	Strand	-
Start	1	End	859
Name	OJ990528_06.9C03.C33.o1.np	Method	AAT/NAP
Start	1	End	761
GI	3236256	Score	163
Exons	1..20, 562..761		
GI Descrip.	(AC004684) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76214	Strand	-
Start	1	End	859
Name	OJ990528_06.9C03.C33.o1.gs	Method	GENSCAN
Start	278	End	859
GI	none	Score	.98
Exons	278..859		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76215	Strand	-
Start	1208	End	7207
Name	OJ990528_06.9C03.C33.o2.np	Method	AAT/NAP
Start	1208	End	7207
GI	3461846	Score	1066
Exons	1208..1305, 4128..5502, 7182..7207		
GI Descrip.	(AC005315) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76215	Strand	-
Start	1208	End	7207
Name	OJ990528_06.9C03.C33.o3.gs	Method	GENSC
Start	4126	End	6036
GI	none	Score	.96
Exons	4126..6036		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76216	Strand	-
Start	7355	End	7632
Name	OJ990528_06.9C03.C33.o4.gs	Method	GENSCAN
Start	7355	End	7632
GI	none	Score	.8

Exons	7355..7414, 7558..7632		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76217	Strand	-
Start	9227	End	10973
Name	OJ990528_06.9C03.C33.o5.gs	Method	GENSCAN
Start	9227	End	10973
GI	none	Score	.75
Exons	9227..9246, 9589..10330, 10620..10973		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76218	Strand	-
Start	11091	End	13863
Name	OJ990528_06.9C03.C33.o6.gs	Method	GENSCAN
Start	11091	End	13863
GI	none	Score	.95
Exons	11091..11560, 13018..13258, 13705..13863		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76218	Strand	-
Start	11091	End	13863
Name	OJ990528_06.9C03.C33.o3.np	Method	AAT/NAP
Start	11094	End	11863
GI	6967112	Score	339
Exons	11094..11556, 11643..11863		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76219	Strand	-
Start	18919	End	20947
Name	OJ990528_06.9C03.C33.o4.np	Method	AAT/NAP
Start	18919	End	20947
GI	6498436	Score	50
Exons	18919..19168, 20908..20947		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76220	Strand	-
Start	23524	End	24713
Name	OJ990528_06.9C03.C33.o10.gs	Method	GENSCAN
Start	23524	End	24713
GI	none	Score	.78
Exons	23524..23539, 23602..23671, 24338..24713		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o4.tc	Method	TBLASTX:Cress
Start	557	End	665
GI	none	Score	70
Exons	557..664, 585..665		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o7.tm	Method	TBLASTX:Maize
Start	557	End	674

GI	none	Score	151
Exons	557..673, 567..674		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o6.ts	Method	TBLASTX:Soybean
Start	560	End	676
GI	none	Score	109
Exons	560..676, 567..674		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o2.tw	Method	TBLASTX:Wheat
Start	4007	End	4382
GI	none	Score	67
Exons	4007..4036, 4123..4263, 4129..4224, 4130..4231, 4231..4380, 4232..4381, 4278..4382		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o3.tc	Method	TBLASTX:Cress
Start	4114	End	4323
GI	none	Score	78
Exons	4114..4230, 4132..4323, 4133..4321		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o1.ts	Method	TBLASTX:Soybean
Start	4121	End	4812
GI	none	Score	358
Exons	4121..4642, 4132..4644, 4441..4674, 4672..4809, 4693..4812, 4700..4810		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o1.tm	Method	TBLASTX:Maize
Start	4132	End	5041
GI	none	Score	252
Exons	4132..4644, 4133..4387, 4214..4666, 4285..4665, 4593..4667, 4666..5010, 4693..5040, 4700..5041		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o1.tc	Method	TBLASTX:Cress
Start	4324	End	5104
GI	none	Score	76
Exons	4324..4644, 4325..4387, 4484..4642, 4693..4863, 4700..4744, 4769..4876, 4867..5103, 4991..5104		
Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-

Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o3.ts	Method	TBLASTX:Soybean
Start	4822	End	5259
GI	none	Score	247
Exons	4822..5259		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o5.tm	Method	TBLASTX:Maize
Start	5042	End	5277
GI	none	Score	155
Exons	5042..5269, 5047..5274, 5051..5242, 5064..5276, 5065..5277		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o2.tm	Method	TBLASTX:Maize
Start	9665	End	11204
GI	none	Score	258
Exons	9665..9730, 10679..10957, 10680..10973, 10684..10959, 11097..11204, 11097..11201		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o2.ts	Method	TBLASTX:Soybean
Start	11283	End	11586
GI	none	Score	87
Exons	11283..11462, 11284..11457, 11457..11585, 11458..11586		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o3.tm	Method	TBLASTX:Maize
Start	11347	End	11567
GI	none	Score	244
Exons	11347..11562, 11349..11567, 11349..11561		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o6.tm	Method	TBLASTX:Maize
Start	11640	End	11792
GI	none	Score	162
Exons	11640..11684, 11642..11689, 11682..11792, 11687..11791, 11694..11792		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76221	Strand	-
Start	28447	End	30837
Name	OJ990528_06.9C03.C33.o12.gs	Method	GENSCAN
Start	28447	End	30837
GI	none	Score	.41
Exons	28447..28476, 28551..28682, 28688..28798, 29331..29494, 30795..30837		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76222	Strand	
Start	31879	End	32446
Name	OJ990528_06.9C03.C33.o1.tw	Method	TBLASTX:Wheat
Start	31879	End	32193
GI	none	Score	60
Exons	31879..31932, 31879..32013, 31907..32083, 31907..32083, 32080..32193, 32081..32188		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76222	Strand	
Start	31879	End	32446
Name	OJ990528_06.9C03.C33.o5.ts	Method	TBLASTX:Soybean
Start	31879	End	32065
GI	4437059	Score	205
Exons	31879..32013, 31907..32065, 31907..32053		
GI Descrip.	2583112 5.0e-33 (AC002387) putative PD1-like DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76222	Strand	
Start	31879	End	32446
Name	OJ990528_06.9C03.C33.o4.tm	Method	TBLASTX:Maize
Start	31879	End	32229
GI	none	Score	190
Exons	31879..32013, 31907..32089, 31913..32080, 32075..32188, 32086..32229		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76222	Strand	
Start	31879	End	32446
Name	OJ990528_06.9C03.C33.o2.tc	Method	TBLASTX:Cress
Start	31879	End	32125
GI	none	Score	67
Exons	31879..31947, 31879..32013, 31907..32092, 32066..32125, 32080..32124		

Seq. No.	37063	Seq. ID	OJ990528_06.9C03.C33
Gene No.	76222	Strand	
Start	31879	End	32446
Name	OJ990528_06.9C03.C33.o4.ts	Method	TBLASTX:Soybean
Start	32066	End	32446
GI	4395850	Score	160
Exons	32066..32188, 32068..32337, 32234..32296, 32411..32446		
GI Descrip.	-		

Seq. No.	37064	Seq. ID	OJ990528_06.9C03.C34
Gene No.	76223	Strand	-
Start	338	End	1171
Name	OJ990528_06.9C03.C34.o1.gs	Method	GENSCAN
Start	338	End	1171
GI	none	Score	.65
Exons	338..715, 1011..1171		

Seq. No.	37064	Seq. ID	OJ990528_06.9C03.C34
Gene No.	76223	Strand	-
Start	338	End	1171

Name	OJ990528_06.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	864	End	1163
GI	none	Score	49
Exons	864..923, 866..931, 866..925, 1027..1146, 1050..1163, 1113..1160	873..932, 999..1055, 1003..1056,	

Seq. No.	37065	Seq. ID	OJ990528_06.9C03.C35
Gene No.	76224	Strand	-
Start	298	End	4530
Name	OJ990528_06.9C03.C35.o1.tm	Method	TBLASTX:Maize
Start	153	End	715
GI	none	Score	49
Exons	153..218, 153..212, 160..219, 337..450, 400..447, 538..660,	286..342, 290..343, 314..433, 548..715	

Seq. No.	37065	Seq. ID	OJ990528_06.9C03.C35
Gene No.	76224	Strand	-
Start	298	End	4530
Name	OJ990528_06.9C03.C35.o1.gs	Method	GENSCAN
Start	298	End	4530
GI	none	Score	.75
Exons	298..458, 576..726, 946..1110, 1525..1609, 1687..1872, 2112..2386, 2929..3066, 3434..3546, 4419..4530		

Seq. No.	37066	Seq. ID	OJ990528_06.9C03.C36
Gene No.	76225	Strand	-
Start	359	End	490
Name	OJ990528_06.9C03.C36.o1.gs	Method	GENSCAN
Start	359	End	490
GI	none	Score	.93
Exons	359..490		

Seq. No.	37067	Seq. ID	OJ990528_06.9C03.C37
Gene No.	76226	Strand	+
Start	314	End	424
Name	OJ990528_06.9C03.C37.o1.gp	Method	AAT/GAP
Start	314	End	424
GI	5867_1.R1084	Score	147
Exons	314..424		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 -- Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	37068	Seq. ID	OJ990528_06.9C03.C38
Gene No.	76227	Strand	+
Start	87	End	573
Name	OJ990528_06.9C03.C38.o1.gp	Method	AAT/GAP
Start	87	End	573
GI	4880249	Score	446
Exons	87..112, 325..573		

Seq. No.	37068	Seq. ID	OJ990528_06.9C03.C38
Gene No.	76228	Strand	-

Start	134	End	491
Name	OJ990528_06.9C03.C38.o1.gs	Method	GENSCAN
Start	134	End	491
GI	none	Score	.76
Exons	134..491		

Seq. No.	37069	Seq. ID	OJ990528_06.9C03.C40
Gene No.	76229	Strand	+
Start	1	End	441
Name	OJ990528_06.9C03.C40.o1.np	Method	AAT/NAP
Start	1	End	441
GI	6714272	Score	283
Exons	1..305, 409..441		
GI Descrip.	(AC017118) F6N18.8 [Arabidopsis thaliana]		

Seq. No.	37069	Seq. ID	OJ990528_06.9C03.C40
Gene No.	76229	Strand	+
Start	1	End	441
Name	OJ990528_06.9C03.C40.o1.ts	Method	TBLASTX:Soybean
Start	79	End	308
GI	none	Score	53
Exons	79..147, 87..308, 95..304		

Seq. No.	37069	Seq. ID	OJ990528_06.9C03.C40
Gene No.	76229	Strand	+
Start	1	End	441
Name	OJ990528_06.9C03.C40.o1.tc	Method	TBLASTX:Cress
Start	86	End	308
GI	none	Score	57
Exons	86..169, 87..308, 95..304		

Seq. No.	37069	Seq. ID	OJ990528_06.9C03.C40
Gene No.	76229	Strand	+
Start	1	End	441
Name	OJ990528_06.9C03.C40.o1.tm	Method	TBLASTX:Maize
Start	87	End	308
GI	none	Score	343
Exons	87..308, 89..304		

Seq. No.	37069	Seq. ID	OJ990528_06.9C03.C40
Gene No.	76229	Strand	+
Start	1	End	441
Name	OJ990528_06.9C03.C40.o1.tw	Method	TBLASTX:Wheat
Start	87	End	224
GI	none	Score	217
Exons	87..224, 87..221, 95..223		

Seq. No.	37069	Seq. ID	OJ990528_06.9C03.C40
Gene No.	76229	Strand	+
Start	1	End	441
Name	OJ990528_06.9C03.C40.o1.gs	Method	GENSCAN
Start	90	End	305
GI	none	Score	.87
Exons	90..305		

Seq. No.	37070	Seq. ID	OJ990528_06.9C03.C42
Gene No.	76230	Strand	+

Start	57	End	537
Name	OJ990528_06.9C03.C42.o1.gs	Method	GENSCAN
Start	57	End	537
GI	none	Score	.54
Exons	57..537		

Seq. No.	37071	Seq. ID	OJ990528_06.9C03.C44
Gene No.	76231	Strand	+
Start	179	End	353
Name	OJ990528_06.9C03.C44.o1.gs	Method	GENSCAN
Start	179	End	353
GI	none	Score	.5
Exons	179..353		

Seq. No.	37072	Seq. ID	OJ990528_06.9C03.C46
Gene No.	76232	Strand	+
Start	93	End	414
Name	OJ990528_06.9C03.C46.o1.gs	Method	GENSCAN
Start	93	End	414
GI	none	Score	.62
Exons	93..414		

Seq. No.	37073	Seq. ID	OJ990528_06.9C03.C47
Gene No.	76233	Strand	+
Start	290	End	555
Name	OJ990528_06.9C03.C47.o1.np	Method	AAT/NAP
Start	290	End	555
GI	3695384	Score	94
Exons	290..555		
GI Descrip.	(AF096370) contains similarity to the helix-loop-helix DNA-binding domain (Pfam: PF00010 HLH, E-value: 0.0046) [Arabidopsis thaliana]		

Seq. No.	37073	Seq. ID	OJ990528_06.9C03.C47
Gene No.	76234	Strand	-
Start	261	End	467
Name	OJ990528_06.9C03.C47.o1.gs	Method	GENSCAN
Start	261	End	467
GI	none	Score	.46
Exons	261..467		

Seq. No.	37074	Seq. ID	OJ990528_06.9C03.C48
Gene No.	76235	Strand	-
Start	267	End	588
Name	OJ990528_06.9C03.C48.o1.gs	Method	GENSCAN
Start	267	End	588
GI	none	Score	.65
Exons	267..588		

Seq. No.	37075	Seq. ID	OJ990528_06.9C03.C49
Gene No.	76236	Strand	-
Start	77	End	658
Name	OJ990528_06.9C03.C49.o1.gs	Method	GENSCAN
Start	77	End	658
GI	none	Score	.63
Exons	77..658		

Seq. No.	37076	Seq. ID	OJ990528_06.9C03.C50
Gene No.	76237	Strand	-
Start	1	End	100
Name	OJ990528_06.9C03.C50.o1.np	Method	AAT/NAP
Start	1	End	100
GI	3695384	Score	87
Exons	1..100		
GI Descrip.	(AF096370) contains similarity to the helix-loop-helix DNA-binding domain (Pfam: PF00010 HLH, E-value: 0.0046) [Arabidopsis thaliana]		

Seq. No.	37077	Seq. ID	OJ990528_06.9C03.C51
Gene No.	76238	Strand	+
Start	58	End	421
Name	OJ990528_06.9C03.C51.o1.gp	Method	AAT/GAP
Start	58	End	421
GI	46921_1.R1084	Score	701
Exons	58..421		
GI Descrip.	'3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	37078	Seq. ID	OJ990528_06.9C03.C55
Gene No.	76239	Strand	+
Start	217	End	456
Name	OJ990528_06.9C03.C55.o1.gp	Method	AAT/GAP
Start	217	End	456
GI	568478	Score	404
Exons	217..456		

Seq. No.	37079	Seq. ID	OJ990528_06.9C03.C58
Gene No.	76240	Strand	-
Start	1	End	658
Name	OJ990528_06.9C03.C58.o1.np	Method	AAT/NAP
Start	1	End	658
GI	3608147	Score	143
Exons	1..171, 367..462, 569..658		
GI Descrip.	(AC005314) putative chloroplast RNA binding protein precursor [Arabidopsis thaliana]		

Seq. No.	37079	Seq. ID	OJ990528_06.9C03.C58
Gene No.	76240	Strand	-
Start	1	End	658
Name	OJ990528_06.9C03.C58.o1.gs	Method	GENSCAN
Start	364	End	613
GI	none	Score	98
Exons	364..462, 569..613		

Seq. No.	37080	Seq. ID	OJ990528_06.9C03.C60
Gene No.	76241	Strand	-
Start	75	End	513
Name	OJ990528_06.9C03.C60.o1.gp	Method	AAT/GAP
Start	75	End	513
GI	5771053	Score	826
Exons	75..513		
GI Descrip.	3834314 2.0e-37 (AC005679) Similar to gene pi010		

glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]

Seq. No.	37080	Seq. ID	OJ990528_06.9C03.C60
Gene No.	76241	Strand	-
Start	75	End	513
Name	OJ990528_06.9C03.C60.o1.gs	Method	GENSCAN
Start	246	End	435
GI	none	Score	.48
Exons	246..325, 393..435		

Seq. No.	37080	Seq. ID	OJ990528_06.9C03.C60
Gene No.	76241	Strand	-
Start	75	End	513
Name	OJ990528_06.9C03.C60.o1.tm	Method	TBLASTX:Maize
Start	260	End	451
GI	none	Score	132
Exons	260..394, 261..449, 265..450, 287..451		

Seq. No.	37080	Seq. ID	OJ990528_06.9C03.C60
Gene No.	76241	Strand	-
Start	75	End	513
Name	OJ990528_06.9C03.C60.o1.np	Method	AAT/NAP
Start	296	End	513
GI	3834314	Score	194
Exons	296..513		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and gb|AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37080	Seq. ID	OJ990528_06.9C03.C60
Gene No.	76241	Strand	-
Start	75	End	513
Name	OJ990528_06.9C03.C60.o1.tc	Method	TBLASTX:Cress
Start	310	End	513
GI	none	Score	128
Exons	310..513, 329..511		

Seq. No.	37081	Seq. ID	OJ990528_06.9C03.C61
Gene No.	76242	Strand	-
Start	1	End	82
Name	OJ990528_06.9C03.C61.o1.gp	Method	AAT/GAP
Start	1	End	82
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	1..82		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	37081	Seq. ID	OJ990528_06.9C03.C61
Gene No.	76243	Strand	-
Start	200	End	331
Name	OJ990528_06.9C03.C61.o1.gs	Method	GENSCAN
Start	200	End	331
GI	none	Score	.79
Exons	200..331		

Seq. No.	37082	Seq. ID	OJ990528_06.9C03.C62
Gene No.	76244	Strand	-
Start	736	End	869
Name	OJ990528_06.9C03.C62.o1.gs	Method	GENSCAN
Start	736	End	869
GI	none	Score	.95
Exons	736..869		

Seq. No.	37083	Seq. ID	OJ990728_03.9C13.C2
Gene No.	76245	Strand	-
Start	207	End	1333
Name	OJ990728_03.9C13.C2.o1.gs	Method	GENSCAN
Start	207	End	1333
GI	none	Score	.94
Exons	207..278, 600..707, 809..1184, 1266..1333		

Seq. No.	37083	Seq. ID	OJ990728_03.9C13.C2
Gene No.	76245	Strand	-
Start	207	End	1333
Name	OJ990728_03.9C13.C2.o1.tm	Method	TBLASTX:Maize
Start	965	End	1213
GI	none	Score	89
Exons	965..1213, 969..1205		

Seq. No.	37084	Seq. ID	OJ990728_03.9C13.C3
Gene No.	76246	Strand	+
Start	499	End	801
Name	OJ990728_03.9C13.C3.o1.np	Method	AAT/NAP
Start	499	End	799
GI	6175185	Score	88
Exons	499..799		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	37084	Seq. ID	OJ990728_03.9C13.C3
Gene No.	76246	Strand	+
Start	499	End	801
Name	OJ990728_03.9C13.C3.o1.gs	Method	GENSCAN
Start	515	End	801
GI	none	Score	.72
Exons	515..641, 722..801		

Seq. No.	37085	Seq. ID	OJ990728_03.9C13.C4
Gene No.	76247	Strand	+
Start	380	End	716
Name	OJ990728_03.9C13.C4.o1.gs	Method	GENSCAN
Start	380	End	716
GI	none	Score	.74
Exons	380..500, 586..716		

Seq. No.	37086	Seq. ID	OJ990728_03.9C13.C5
Gene No.	76248	Strand	+
Start	1	End	219
Name	OJ990728_03.9C13.C5.o1.gp	Method	AAT/GAP
Start	1	End	219
GI	none	Score	393
Exons	1..219		

Seq. No.	37086	Seq. ID	OJ990728_03.9C13.C5
Gene No.	76248	Strand	+
Start	1	End	219
Name	OJ990728_03.9C13.C5.o1.np	Method	AAT/NAP
Start	1	End	144
GI	5903034	Score	104
Exons	1..144		
GI Descrip.	(AC008016) F6D8.3 [Arabidopsis thaliana]		

Seq. No.	37086	Seq. ID	OJ990728_03.9C13.C5
Gene No.	76249	Strand	-
Start	192	End	336
Name	OJ990728_03.9C13.C5.o1.gs	Method	GENSCAN
Start	192	End	336
GI	none	Score	.52
Exons	192..336		

Seq. No.	37087	Seq. ID	OJ990728_03.9C13.C9
Gene No.	76250	Strand	-
Start	601	End	1403
Name	OJ990728_03.9C13.C9.o1.gs	Method	GENSCAN
Start	601	End	1344
GI	none	Score	.5
Exons	601..657, 1045..1344		

Seq. No.	37087	Seq. ID	OJ990728_03.9C13.C9
Gene No.	76250	Strand	-
Start	601	End	1403
Name	OJ990728_03.9C13.C9.o1.gp	Method	AAT/GAP
Start	960	End	1403
GI	16495_1.R1084	Score	740
Exons	960..1403		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 3.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	37088	Seq. ID	OJ990728_03.9C13.C10
Gene No.	76251	Strand	+
Start	109	End	474
Name	OJ990728_03.9C13.C10.o1.gs	Method	GENSCAN
Start	109	End	474
GI	none	Score	.87
Exons	109..474		

Seq. No.	37088	Seq. ID	OJ990728_03.9C13.C10
Gene No.	76252	Strand	-
Start	1162	End	2301
Name	OJ990728_03.9C13.C10.o1.tm	Method	TBLASTX:Maize
Start	1123	End	2104
GI	none	Score	83
Exons	1123..1221, 1162..1212, 1547..1618, 1548..1619, 1551..1622, 1552..1623, 1807..1923, 1808..1924, 1808..1924, 2001..2102, 2012..2104, 2012..2104		

Seq. No.	37088	Seq. ID	OJ990728_03.9C13.C10
Gene No.	76252	Strand	-
Start	1162	End	2301

Name	OJ990728_03.9C13.C10.o2.gs	Method	GENSCAN
Start	1162	End	2102
GI	none	Score	.89
Exons	1162..1218, 1810..1923, 2013..2102		

Seq. No.	37088	Seq. ID	OJ990728_03.9C13.C10
Gene No.	76252	Strand	-
Start	1162	End	2301
Name	OJ990728_03.9C13.C10.o1.np	Method	AAT/NAP
Start	1511	End	2301
GI	927537	Score	99
Exons	1511..1618, 1810..1923, 2013..2104, 2250..2301		
GI Descrip.	(Z50178) unknown [Saccharomyces cerevisiae]		

Seq. No.	37089	Seq. ID	OJ990728_03.9C13.C11
Gene No.	76253	Strand	-
Start	1	End	782
Name	OJ990728_03.9C13.C11.o1.np	Method	AAT/NAP
Start	1	End	627
GI	6552328	Score	96
Exons	1..100, 242..333, 370..451, 549..627		
GI Descrip.	cytochrome b5 reductase, soluble isoform		

Seq. No.	37089	Seq. ID	OJ990728_03.9C13.C11
Gene No.	76253	Strand	-
Start	1	End	782
Name	OJ990728_03.9C13.C11.o1.tm	Method	TBLASTX:Maize
Start	15	End	782
GI	none	Score	123
Exons	15..101, 20..100, 239..292, 243..293, 246..296, 367..450, 368..451, 377..457, 570..641, 571..627, 572..649, 573..665, 717..782, 728..781		

Seq. No.	37089	Seq. ID	OJ990728_03.9C13.C11
Gene No.	76253	Strand	-
Start	1	End	782
Name	OJ990728_03.9C13.C11.o1.ts	Method	TBLASTX:Soybean
Start	20	End	782
GI	none	Score	89
Exons	20..100, 24..101, 239..292, 243..293, 244..336, 377..457, 378..449, 388..450, 570..632, 570..626, 571..639, 717..782, 728..781		

Seq. No.	37089	Seq. ID	OJ990728_03.9C13.C11
Gene No.	76253	Strand	-
Start	1	End	782
Name	OJ990728_03.9C13.C11.o1.gs	Method	GENSCAN
Start	23	End	779
GI	none	Score	.89
Exons	23..100, 242..293, 378..448, 495..627, 729..779		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76254	Strand	+
Start	1	End	158
Name	OJ990728_03.9C13.C12.o1.np	Method	AAT/NAP
Start	1	End	158
GI	6907086	Score	112

Exons	1..158		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76255	Strand	+
Start	7373	End	9129
Name	OJ990728_03.9C13.C12.o2.gs	Method	GENSCAN
Start	7373	End	9129
GI	none	Score	.76
Exons	7373..7443, 7752..7827, 8683..9129		
Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76255	Strand	+
Start	7373	End	9129
Name	OJ990728_03.9C13.C12.o1.gp	Method	AAT/GAP
Start	8117	End	8308
GI	5667165	Score	364
Exons	8117..8308		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o2.np	Method	AAT/NAP
Start	322	End	4898
GI	4680179	Score	4567
Exons	322..3739, 3842..4898		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o5.tw	Method	TBLASTX:Wheat
Start	366	End	698
GI	none	Score	94
Exons	366..698, 387..524, 418..603, 591..659, 593..691		
Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o8.tm	Method	TBLASTX:Maize
Start	381	End	539
GI	none	Score	193
Exons	381..539		
Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o1.tm	Method	TBLASTX:Maize
Start	549	End	1143
GI	none	Score	65
Exons	549..644, 549..986, 559..768, 750..866, 805..987, 844..987, 984..1142, 991..1137, 994..1143		
Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-

Start	322	End	4898
Name	OJ990728_03.9C13.C12.o1.tw	Method	TBLASTX:Wheat
Start	699	End	1325
GI	none	Score	250
Exons	699..1325, 823..1230		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o4.tm	Method	TBLASTX:Maize
Start	1194	End	1484
GI	none	Score	53
Exons	1194..1484, 1198..1242, 1294..1473		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o2.ts	Method	TBLASTX:Soybean
Start	1284	End	1539
GI	none	Score	74
Exons	1284..1412, 1284..1532, 1294..1539		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o1.tc	Method	TBLASTX:Cress
Start	1308	End	1625
GI	none	Score	101
Exons	1308..1451, 1324..1449, 1452..1625, 1506..1604		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o3.tw	Method	TBLASTX:Wheat
Start	1332	End	1856
GI	none	Score	264
Exons	1332..1856, 1336..1704		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o2.tm	Method	TBLASTX:Maize
Start	1899	End	2252
GI	none	Score	163
Exons	1899..2252, 1902..2249, 1951..2250		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o2.tw	Method	TBLASTX:Wheat
Start	1899	End	2325
GI	none	Score	215
Exons	1899..2324, 1914..2261, 1936..2325		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898

Name	OJ990728_03.9C13.C12.o3.ts	Method	TBLASTX:Soybean
Start	2073	End	2318
GI	none	Score	201
Exons	2073..2318		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o3.tm	Method	TBLASTX:Maize
Start	2289	End	2789
GI	none	Score	63
Exons	2289..2624, 2299..2463, 2451..2498, 2610..2789		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o6.tw	Method	TBLASTX:Wheat
Start	2331	End	2627
GI	none	Score	177
Exons	2331..2627, 2368..2583		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o1.ts	Method	TBLASTX:Soybean
Start	2340	End	2735
GI	none	Score	149
Exons	2340..2699, 2368..2583, 2391..2693, 2623..2718, 2703..2735		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o4.tw	Method	TBLASTX:Wheat
Start	2676	End	3159
GI	none	Score	243
Exons	2676..3158, 2704..3159		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o5.tm	Method	TBLASTX:Maize
Start	2859	End	3146
GI	none	Score	180
Exons	2859..3146, 2860..3045		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o7.tw	Method	TBLASTX:Wheat
Start	3306	End	3705
GI	none	Score	82
Exons	3306..3470, 3319..3474, 3483..3704, 3550..3705		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o7.tm	Method	TBLASTX:Maize

Start	3385	End	3711
GI	none	Score	44
Exons	3385..3468, 3387..3710, 3570..3704, 3598..3711		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o6.tm	Method	TBLASTX:Maize
Start	4020	End	4421
GI	none	Score	239
Exons	4020..4421		

Seq. No.	37090	Seq. ID	OJ990728_03.9C13.C12
Gene No.	76256	Strand	-
Start	322	End	4898
Name	OJ990728_03.9C13.C12.o8.tw	Method	TBLASTX:Wheat
Start	4302	End	4679
GI	none	Score	53
Exons	4302..4679, 4561..4632		

Seq. No.	37091	Seq. ID	OJ990728_03.9C13.C13
Gene No.	76257	Strand	+
Start	222	End	365
Name	OJ990728_03.9C13.C13.o1.gs	Method	GENSCAN
Start	222	End	365
GI	none	Score	.41
Exons	222..365		

Seq. No.	37092	Seq. ID	OJ990728_03.9C13.C16
Gene No.	76258	Strand	-
Start	729	End	1027
Name	OJ990728_03.9C13.C16.o1.gs	Method	GENSCAN
Start	729	End	1027
GI	none	Score	.57
Exons	729..1027		

Seq. No.	37093	Seq. ID	OJ990728_03.9C13.C17
Gene No.	76259	Strand	+
Start	587	End	1009
Name	OJ990728_03.9C13.C17.o1.np	Method	AAT/NAP
Start	587	End	1009
GI	4049353	Score	144
Exons	587..692, 783..890, 978..1009		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	37094	Seq. ID	OJ990728_03.9C13.C18
Gene No.	76260	Strand	+
Start	1	End	2412
Name	OJ990728_03.9C13.C18.o1.np	Method	AAT/NAP
Start	1	End	2412
GI	5103843	Score	813
Exons	1..46, 121..286, 843..1009, 1138..1311, 1782..1877, 1967..2071, 2358..2412		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	37094	Seq. ID	OJ990728_03.9C13.C18

Gene No.	76260	Strand	+
Start	1	End	2412
Name	OJ990728_03.9C13.C18.o1.gs	Method	GENSCAN
Start	121	End	2083
GI	none	Score	.57
Exons	121..286, 843..1009, 1138..1311, 1782..1877, 1967..2083		

Seq. No.	37094	Seq. ID	OJ990728_03.9C13.C18
Gene No.	76260	Strand	+
Start	1	End	2412
Name	OJ990728_03.9C13.C18.o1.ts	Method	TBLASTX:Soybean
Start	235	End	2071
GI	none	Score	94
Exons	235..297, 829..1035, 839..1036, 842..1036, 1025..1063, 1135..1305, 1149..1319, 1161..1316, 1776..1880, 1787..1876, 1964..2038, 1973..2044, 2015..2071, 2038..2070		

Seq. No.	37094	Seq. ID	OJ990728_03.9C13.C18
Gene No.	76260	Strand	+
Start	1	End	2412
Name	OJ990728_03.9C13.C18.o2.tc	Method	TBLASTX:Cress
Start	839	End	1012
GI	none	Score	82
Exons	839..898, 840..1010, 841..972, 842..1012, 926..1012		

Seq. No.	37094	Seq. ID	OJ990728_03.9C13.C18
Gene No.	76260	Strand	+
Start	1	End	2412
Name	OJ990728_03.9C13.C18.o1.tm	Method	TBLASTX:Maize
Start	928	End	2083
GI	none	Score	125
Exons	928..1011, 929..1009, 931..1011, 1135..1314, 1137..1328, 1780..1875, 1781..1876, 1782..1880, 1782..1877, 1944..2069, 1946..2083, 1969..2070, 1976..2083		

Seq. No.	37094	Seq. ID	OJ990728_03.9C13.C18
Gene No.	76260	Strand	+
Start	1	End	2412
Name	OJ990728_03.9C13.C18.o1.tc	Method	TBLASTX:Cress
Start	1103	End	1877
GI	none	Score	72
Exons	1103..1288, 1113..1289, 1114..1311, 1134..1328, 1785..1877, 1793..1870		

Seq. No.	37095	Seq. ID	OJ990728_03.9C13.C19
Gene No.	76261	Strand	+
Start	1	End	1469
Name	OJ990728_03.9C13.C19.o1.np	Method	AAT/NAP
Start	1	End	1147
GI	5103843	Score	642
Exons	1..421, 585..862, 974..1147		
GI Descrip.	(AC007591) Is a member of the PF|00955 Anion exchanger family. [Arabidopsis thaliana]		

Seq. No.	37095	Seq. ID	OJ990728_03.9C13.C19
Gene No.	76261	Strand	+
Start	1	End	1469

Name	OJ990728_03.9C13.C19.o1.gs	Method	GENSCAN
Start	24	End	1469
GI	none	Score	.78
Exons	24..421, 585..852, 969..1097, 1410..1469		

Seq. No.	37095	Seq. ID	OJ990728_03.9C13.C19
Gene No.	76261	Strand	+
Start	1	End	1469
Name	OJ990728_03.9C13.C19.o1.ts	Method	TBLASTX:Soybean
Start	87	End	1091
GI	none	Score	63
Exons	87..167, 98..166, 144..422, 176..391, 177..419, 579..770, 582..782, 583..840, 667..831, 1011..1091		

Seq. No.	37095	Seq. ID	OJ990728_03.9C13.C19
Gene No.	76261	Strand	+
Start	1	End	1469
Name	OJ990728_03.9C13.C19.o1.tc	Method	TBLASTX:Cress
Start	149	End	708
GI	none	Score	341
Exons	149..403, 156..422, 183..422, 215..445, 576..707, 583..708		

Seq. No.	37095	Seq. ID	OJ990728_03.9C13.C19
Gene No.	76261	Strand	+
Start	1	End	1469
Name	OJ990728_03.9C13.C19.o1.tm	Method	TBLASTX:Maize
Start	210	End	816
GI	none	Score	343
Exons	210..422, 212..400, 214..435, 555..785, 582..782, 781..816		

Seq. No.	37096	Seq. ID	OJ990728_03.9C13.C20
Gene No.	76262	Strand	+
Start	849	End	2176
Name	OJ990728_03.9C13.C20.o1.gp	Method	AAT/GAP
Start	849	End	2176
GI	63383_1.R1084	Score	793
Exons	849..933, 1038..1091, 1762..1932, 2035..2176		
GI Descrip.	'3320122 6.0e-14 (U46007) espin [Rattus norvegicus]'		

Seq. No.	37096	Seq. ID	OJ990728_03.9C13.C20
Gene No.	76262	Strand	+
Start	849	End	2176
Name	OJ990728_03.9C13.C20.o1.gs	Method	GENSCAN
Start	888	End	2166
GI	none	Score	.64
Exons	888..933, 1038..1091, 1762..1932, 2035..2166		

Seq. No.	37096	Seq. ID	OJ990728_03.9C13.C20
Gene No.	76262	Strand	+
Start	849	End	2176
Name	OJ990728_03.9C13.C20.o1.np	Method	AAT/NAP
Start	988	End	2176
GI	6175185	Score	104
Exons	988..1091, 1762..1932, 2035..2176		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	37097	Seq. ID	OJ990728_03.9C13.C21

Gene No.	76263	Strand	-
Start	559	End	681
Name	OJ990728_03.9C13.C21.o1.gs	Method	GENSCAN
Start	559	End	681
GI	none	Score	.58
Exons	559..681		

Seq. No.	37098	Seq. ID	OJ990728_03.9C13.C22
Gene No.	76264	Strand	-
Start	494	End	1067
Name	OJ990728_03.9C13.C22.o1.gs	Method	GENSCAN
Start	494	End	1067
GI	none	Score	.51
Exons	494..646, 1020..1067		

Seq. No.	37099	Seq. ID	OJ990728_03.9C13.C23
Gene No.	76265	Strand	+
Start	293	End	667
Name	OJ990728_03.9C13.C23.o1.gs	Method	GENSCAN
Start	293	End	667
GI	none	Score	.69
Exons	293..667		

Seq. No.	37100	Seq. ID	OJ990728_03.9C13.C27
Gene No.	76266	Strand	+
Start	1	End	381
Name	OJ990728_03.9C13.C27.o1.gp	Method	AAT/GAP
Start	1	End	367
GI	8681_1.R1084	Score	414
Exons	1..192, 282..367		
GI Descrip.	'5903036/gb|AAD55595.1|AC008016_5 1.0e-36 (AC008016) F6D8.5 [Arabidopsis thaliana]'		

Seq. No.	37100	Seq. ID	OJ990728_03.9C13.C27
Gene No.	76266	Strand	+
Start	1	End	381
Name	OJ990728_03.9C13.C27.o1.np	Method	AAT/NAP
Start	1	End	283
GI	5903036	Score	141
Exons	1..283		
GI Descrip.	(AC008016) F6D8.5 [Arabidopsis thaliana]		

Seq. No.	37100	Seq. ID	OJ990728_03.9C13.C27
Gene No.	76266	Strand	+
Start	1	End	381
Name	OJ990728_03.9C13.C27.o1.ts	Method	TBLASTX:Soybean
Start	25	End	381
GI	none	Score	234
Exons	25..183, 41..193, 280..363, 293..379, 310..381		

Seq. No.	37100	Seq. ID	OJ990728_03.9C13.C27
Gene No.	76266	Strand	+
Start	1	End	381
Name	OJ990728_03.9C13.C27.o1.tc	Method	TBLASTX:Cress
Start	33	End	193
GI	none	Score	63
Exons	33..143, 41..193, 41..187, 43..189		

Seq. No.	37100	Seq. ID	OJ990728_03.9C13.C27
Gene No.	76266	Strand	+
Start	1	End	381
Name	OJ990728_03.9C13.C27.o1.tm	Method	TBLASTX:Maize
Start	41	End	377
GI	none	Score	257
Exons	41..193, 41..193, 273..362, 275..367, 279..377		

Seq. No.	37100	Seq. ID	OJ990728_03.9C13.C27
Gene No.	76266	Strand	+
Start	1	End	381
Name	OJ990728_03.9C13.C27.o1.gs	Method	GENSCAN
Start	68	End	364
GI	none	Score	.6
Exons	68..192, 282..364		

Seq. No.	37101	Seq. ID	OJ990728_03.9C13.C28
Gene No.	76267	Strand	-
Start	75	End	681
Name	OJ990728_03.9C13.C28.o1.gp	Method	AAT/GAP
Start	75	End	681
GI	none	Score	609
Exons	75..141, 234..405, 507..681		

Seq. No.	37101	Seq. ID	OJ990728_03.9C13.C28
Gene No.	76267	Strand	-
Start	75	End	681
Name	OJ990728_03.9C13.C28.o1.tm	Method	TBLASTX:Maize
Start	75	End	601
GI	none	Score	51
Exons	75..134, 75..140, 234..407, 238..408, 238..408, 505..537, 506..535, 551..601		

Seq. No.	37101	Seq. ID	OJ990728_03.9C13.C28
Gene No.	76267	Strand	-
Start	75	End	681
Name	OJ990728_03.9C13.C28.o1.gs	Method	GENSCAN
Start	217	End	605
GI	none	Score	.56
Exons	217..405, 507..605		

Seq. No.	37102	Seq. ID	OJ990728_03.9C13.C29
Gene No.	76268	Strand	+
Start	707	End	1005
Name	OJ990728_03.9C13.C29.o1.gp	Method	AAT/GAP
Start	707	End	1005
GI	none	Score	564
Exons	707..1005		

Seq. No.	37102	Seq. ID	OJ990728_03.9C13.C29
Gene No.	76269	Strand	-
Start	1	End	997
Name	OJ990728_03.9C13.C29.o1.np	Method	AAT/NAP
Start	1	End	743
GI	5903036	Score	112
Exons	1..33, 601..743		

GI Descrip. (AC008016) F6D8.5 [Arabidopsis thaliana]

Seq. No.	37102	Seq. ID	OJ990728_03.9C13.C29
Gene No.	76269	Strand	-
Start	1	End	997
Name	OJ990728_03.9C13.C29.o1.gs	Method	GENSCAN
Start	601	End	997
GI	none	Score	.78
Exons	601..703, 887..997		

Seq. No.	37103	Seq. ID	OJ990728_03.9C13.C31
Gene No.	76270	Strand	-
Start	1	End	797
Name	OJ990728_03.9C13.C31.o1.np	Method	AAT/NAP
Start	1	End	797
GI	5103843	Score	394
Exons	1..106, 368..541, 666..797		
GI Descrip.	(AC007591) Is a member of the [Arabidopsis thaliana]	PF|00955	Anion exchanger family.

Seq. No.	37103	Seq. ID	OJ990728_03.9C13.C31
Gene No.	76270	Strand	-
Start	1	End	797
Name	OJ990728_03.9C13.C31.o1.tm	Method	TBLASTX:Maize
Start	351	End	747
GI	none	Score	254
Exons	351..536, 365..580, 664..747, 666..746		

Seq. No.	37103	Seq. ID	OJ990728_03.9C13.C31
Gene No.	76270	Strand	-
Start	1	End	797
Name	OJ990728_03.9C13.C31.o1.ts	Method	TBLASTX:Soybean
Start	363	End	797
GI	none	Score	170
Exons	363..530, 363..515, 374..595, 639..797, 640..792		

Seq. No.	37103	Seq. ID	OJ990728_03.9C13.C31
Gene No.	76270	Strand	-
Start	1	End	797
Name	OJ990728_03.9C13.C31.o1.gs	Method	GENSCAN
Start	368	End	541
GI	none	Score	.96
Exons	368..541		

Seq. No.	37103	Seq. ID	OJ990728_03.9C13.C31
Gene No.	76270	Strand	-
Start	1	End	797
Name	OJ990728_03.9C13.C31.o1.tc	Method	TBLASTX:Cress
Start	368	End	580
GI	none	Score	149
Exons	368..580, 372..536		

Seq. No.	37104	Seq. ID	OJ990728_03.9C13.C32
Gene No.	76271	Strand	+
Start	67	End	174
Name	OJ990728_03.9C13.C32.o1.gs	Method	GENSCAN
Start	67	End	174

GI	none	Score	.97
Exons	67..174		

Seq. No.	37104	Seq. ID	OJ990728_03.9C13.C32
Gene No.	76272	Strand	-
Start	1	End	299
Name	OJ990728_03.9C13.C32.o1.gp	Method	AAT/GAP
Start	1	End	299
GI	uC-osflcyp082g11a1	Score	420
Exons	1..299		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	37105	Seq. ID	OJ990728_03.9C13.C33
Gene No.	76273	Strand	-
Start	1	End	948
Name	OJ990728_03.9C13.C33.o1.np	Method	AAT/NAP
Start	1	End	948
GI	2316016	Score	640
Exons	1..92, 268..507, 640..703, 812..948		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	37105	Seq. ID	OJ990728_03.9C13.C33
Gene No.	76273	Strand	-
Start	1	End	948
Name	OJ990728_03.9C13.C33.o1.tc	Method	TBLASTX:Cress
Start	1	End	946
GI	none	Score	197
Exons	1..93, 266..511, 267..509, 644..709, 793..906, 806..946, 813..944		

Seq. No.	37105	Seq. ID	OJ990728_03.9C13.C33
Gene No.	76273	Strand	-
Start	1	End	948
Name	OJ990728_03.9C13.C33.o1.tm	Method	TBLASTX:Maize
Start	1	End	947
GI	none	Score	91
Exons	1..99, 1..111, 2..139, 12..164, 224..376, 239..361, 262..372, 267..374, 380..508, 419..508, 429..509, 640..705, 641..706, 641..709, 806..946, 810..947, 813..947		

Seq. No.	37105	Seq. ID	OJ990728_03.9C13.C33
Gene No.	76273	Strand	-
Start	1	End	948
Name	OJ990728_03.9C13.C33.o1.gs	Method	GENSCAN
Start	25	End	880
GI	none	Score	.98
Exons	25..92, 268..507, 640..703, 812..880		

Seq. No.	37105	Seq. ID	OJ990728_03.9C13.C33
Gene No.	76273	Strand	-
Start	1	End	948
Name	OJ990728_03.9C13.C33.o1.ts	Method	TBLASTX:Soybean
Start	288	End	946
GI	none	Score	176
Exons	288..509, 308..508, 644..709, 664..711, 806..946, 813..944		

Seq. No.	37105	Seq. ID	OJ990728_03.9C13.C33
Gene No.	76273	Strand	-
Start	1	End	948
Name	OJ990728_03.9C13.C33.o1.tw	Method	TBLASTX:Wheat
Start	308	End	714
GI	none	Score	78
Exons	308..394, 309..380, 395..460,	458..568,	580..711, 604..714

Seq. No.	37105	Seq. ID	OJ990728_03.9C13.C33
Gene No.	76273	Strand	-
Start	1	End	948
Name	OJ990728_03.9C13.C33.o1.gp	Method	AAT/GAP
Start	442	End	948
GI	uC-osflcyp174h07b1	Score	485
Exons	442..507, 640..703, 812..948		
GI Descrip.	'2316016 4.0e-43 (U92650) MRP-like ABC transporter [Arabidopsis thaliana]'		

Seq. No.	37106	Seq. ID	OJ990728_03.9C13.C34
Gene No.	76274	Strand	-
Start	1	End	173
Name	OJ990728_03.9C13.C34.o1.np	Method	AAT/NAP
Start	1	End	173
GI	2316016	Score	243
Exons	1..173		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	37106	Seq. ID	OJ990728_03.9C13.C34
Gene No.	76274	Strand	-
Start	1	End	173
Name	OJ990728_03.9C13.C34.o1.tc	Method	TBLASTX:Cress
Start	1	End	172
GI	none	Score	66
Exons	1..159, 1..171, 2..172		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76275	Strand	+
Start	1	End	2300
Name	OJ990728_03.9C13.C35.o1.np	Method	AAT/NAP
Start	1	End	2265
GI	2760836	Score	1139
Exons	1..107, 242..565, 593..827, 1368..2265		
GI Descrip.	(AC003105) putative second messenger-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76275	Strand	+
Start	1	End	2300
Name	OJ990728_03.9C13.C35.o1.gs	Method	GENSCAN
Start	238	End	2268
GI	none	Score	.8
Exons	238..827, 1368..1749, 1786..2268		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76275	Strand	+
Start	1	End	2300

Name	OJ990728_03.9C13.C35.o1.gp	Method	AAT/GAP
Start	1848	End	2300
GI	LIB3432-008-P1-K1-A6	Score	853
Exons	1848..2300		
GI Descrip.	'2760836/gb|AAB95304.1| 2.0e-33 (AC003105) putative Ser/Thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76276	Strand	-
Start	3246	End	3332
Name	OJ990728_03.9C13.C35.o1.tc	Method	TBLASTX:Cress
Start	388	End	2142
GI	none	Score	125
Exons	388..543, 589..846, 690..830, 1365..1514, 1366..1557, 1776..1970, 1777..1971, 2020..2142		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76276	Strand	-
Start	3246	End	3332
Name	OJ990728_03.9C13.C35.o2.ts	Method	TBLASTX:Soybean
Start	388	End	747
GI	none	Score	127
Exons	388..543, 589..747		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76276	Strand	-
Start	3246	End	3332
Name	OJ990728_03.9C13.C35.o1.tm	Method	TBLASTX:Maize
Start	403	End	2142
GI	none	Score	90
Exons	403..543, 589..846, 597..830, 1365..1520, 1366..1533, 1777..1971, 1779..1970, 2019..2132, 2020..2142, 2059..2142		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76276	Strand	-
Start	3246	End	3332
Name	OJ990728_03.9C13.C35.o1.ts	Method	TBLASTX:Soybean
Start	748	End	2142
GI	none	Score	106
Exons	748..846, 1366..1533, 1368..1520, 1776..1970, 1777..1971, 2004..2141, 2020..2142		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76276	Strand	-
Start	3246	End	3332
Name	OJ990728_03.9C13.C35.o1.tw	Method	TBLASTX:Wheat
Start	1807	End	2142
GI	none	Score	218
Exons	1807..1971, 1809..1943, 2023..2142, 2025..2132		

Seq. No.	37107	Seq. ID	OJ990728_03.9C13.C35
Gene No.	76276	Strand	-
Start	3246	End	3332
Name	OJ990728_03.9C13.C35.o2.gs	Method	GENSCAN
Start	3246	End	3332
GI	none	Score	.88
Exons	3246..3332		

Seq. No.	37108	Seq. ID	OJ990728_03.9C13.C37
Gene No.	76277	Strand	-
Start	42	End	623
Name	OJ990728_03.9C13.C37.o1.gp	Method	AAT/GAP
Start	42	End	623
GI	LIB3434-035-P1-K1-A7	Score	447
Exons	42..311, 589..623		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	37109	Seq. ID	OJ990728_03.9C13.C39
Gene No.	76278	Strand	+
Start	1	End	686
Name	OJ990728_03.9C13.C39.o1.np	Method	AAT/NAP
Start	1	End	683
GI	2980790	Score	294
Exons	1..225, 382..683		
GI Descrip.	(AL022197) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37109	Seq. ID	OJ990728_03.9C13.C39
Gene No.	76278	Strand	+
Start	1	End	686
Name	OJ990728_03.9C13.C39.o1.tc	Method	TBLASTX:Cress
Start	23	End	686
GI	none	Score	43
Exons	23..55, 24..56, 105..185, 119..175, 378..527, 464..511, 561..686, 578..673		

Seq. No.	37109	Seq. ID	OJ990728_03.9C13.C39
Gene No.	76278	Strand	+
Start	1	End	686
Name	OJ990728_03.9C13.C39.o1.gs	Method	GENSCAN
Start	327	End	686
GI	none	Score	.76
Exons	327..686		

Seq. No.	37109	Seq. ID	OJ990728_03.9C13.C39
Gene No.	76278	Strand	+
Start	1	End	686
Name	OJ990728_03.9C13.C39.o1.ts	Method	TBLASTX:Soybean
Start	371	End	685
GI	none	Score	151
Exons	371..508, 372..533, 558..683, 587..685		

Seq. No.	37109	Seq. ID	OJ990728_03.9C13.C39
Gene No.	76278	Strand	+
Start	1	End	686
Name	OJ990728_03.9C13.C39.o1.tm	Method	TBLASTX:Maize
Start	378	End	683
GI	none	Score	290
Exons	378..683, 593..682		

Seq. No.	37110	Seq. ID	OJ990728_03.9C13.C40
Gene No.	76279	Strand	+
Start	171	End	391
Name	OJ990728_03.9C13.C40.o1.gs	Method	GENSCAN

Start	171	End	391
GI	none	Score	.53
Exons	171..391		

Seq. No.	37111	Seq. ID	OJ990728_03.9C13.C41
Gene No.	76280	Strand	-
Start	420	End	547
Name	OJ990728_03.9C13.C41.o1.gs	Method	GENSCAN
Start	420	End	547
GI	none	Score	.67
Exons	420..439, 511..547		

Seq. No.	37112	Seq. ID	OJ990728_03.9C13.C43
Gene No.	76281	Strand	-
Start	92	End	420
Name	OJ990728_03.9C13.C43.o1.gs	Method	GENSCAN
Start	92	End	420
GI	none	Score	.81
Exons	92..148, 243..420		

Seq. No.	37112	Seq. ID	OJ990728_03.9C13.C43
Gene No.	76281	Strand	-
Start	92	End	420
Name	OJ990728_03.9C13.C43.o1.np	Method	AAT/NAP
Start	283	End	394
GI	5777617	Score	87
Exons	283..394		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	37113	Seq. ID	OJ990728_03.9C13.C44
Gene No.	76282	Strand	+
Start	537	End	908
Name	OJ990728_03.9C13.C44.o1.np	Method	AAT/NAP
Start	537	End	786
GI	5902371	Score	206
Exons	537..786		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37113	Seq. ID	OJ990728_03.9C13.C44
Gene No.	76282	Strand	+
Start	537	End	908
Name	OJ990728_03.9C13.C44.o1.gs	Method	GENSCAN
Start	555	End	908
GI	none	Score	.99
Exons	555..908		

Seq. No.	37113	Seq. ID	OJ990728_03.9C13.C44
Gene No.	76283	Strand	-
Start	2482	End	3811
Name	OJ990728_03.9C13.C44.o1.tc	Method	TBLASTX:Cress
Start	534	End	770
GI	none	Score	251
Exons	534..770, 545..769		

Seq. No.	37113	Seq. ID	OJ990728_03.9C13.C44
Gene No.	76283	Strand	-
Start	2482	End	3811

Name	OJ990728_03.9C13.C44.o1.ts	Method	TBLASTX:Soybean
Start	534	End	721
GI	none	Score	233
Exons	534..713, 545..721		

Seq. No.	37113	Seq. ID	OJ990728_03.9C13.C44
Gene No.	76283	Strand	-
Start	2482	End	3811
Name	OJ990728_03.9C13.C44.o1.tm	Method	TBLASTX:Maize
Start	534	End	793
GI	none	Score	263
Exons	534..767, 545..793		

Seq. No.	37113	Seq. ID	OJ990728_03.9C13.C44
Gene No.	76283	Strand	-
Start	2482	End	3811
Name	OJ990728_03.9C13.C44.o2.np	Method	AAT/NAP
Start	2482	End	3811
GI	6069646	Score	434
Exons	2482..3466, 3752..3811		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	37113	Seq. ID	OJ990728_03.9C13.C44
Gene No.	76283	Strand	-
Start	2482	End	3811
Name	OJ990728_03.9C13.C44.o2.tm	Method	TBLASTX:Maize
Start	2506	End	3076
GI	none	Score	70
Exons	2506..2709, 2790..2858, 2861..2953, 2861..2953, 2984..3076		

Seq. No.	37113	Seq. ID	OJ990728_03.9C13.C44
Gene No.	76283	Strand	-
Start	2482	End	3811
Name	OJ990728_03.9C13.C44.o3.tm	Method	TBLASTX:Maize
Start	3206	End	3464
GI	none	Score	131
Exons	3206..3286, 3293..3463, 3294..3464		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256
Name	OJ990728_03.9C13.C45.o3.np	Method	AAT/NAP
Start	1	End	34256
GI	6503305	Score	687
Exons	1..209, 4630..4707, 31007..31086, 33612..34256		
GI Descrip.	(AC011713) Contains similarity to gb|U19615 LET 858 gene from Caenorhabditis elegans. ESTs gb|AI995150, gb|H76674 and gb|R84035 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256
Name	OJ990728_03.9C13.C45.o1.gs	Method	GENSCAN

Start	1595	End	9352
GI	none	Score	.5
Exons	1595..1796, 1868..1992, 3969..5077, 5385..6428, 6468..6735, 7351..7525, 7543..7615, 7636..7832, 8142..8817, 9039..9060, 9100..9217, 9242..9352		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256
Name	OJ990728_03.9C13.C45.o1.gp	Method	AAT/GAP
Start	2877	End	3257
GI	uC-osflcyp033a04b1	Score	664
Exons	2877..3257		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256
Name	OJ990728_03.9C13.C45.o1.np	Method	AAT/NAP
Start	4841	End	8954
GI	4206306	Score	1391
Exons	4841..5296, 5493..7406, 7600..8954		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256
Name	OJ990728_03.9C13.C45.o2.gp	Method	AAT/GAP
Start	15491	End	16058
GI	LIB3431-022-P1-K1-A5	Score	882
Exons	15491..15684, 15788..16058		
GI Descrip.	'132105/sp|P18567|RBS3_ORYSA 1.0e-66 RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN C PRECURSOR (RUBISCO SMALL SUBUNIT C) >gi_68094_pir__RKRZS9 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS1139) - rice >gi_218208_dbj_BAA00538_ (D00643) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa] >gi_2407283 (AF017364) ribulo'		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256
Name	OJ990728_03.9C13.C45.o3.gp	Method	AAT/GAP
Start	15495	End	16522
GI	606_8.R1084	Score	1114
Exons	15495..15684, 15778..16522		
GI Descrip.	'81885/pir||S20508 5.0e-13 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor - kidney bean >gi_21050_emb_CAA42618_ (X60000) ribulose bisphosphate carboxylase [Phaseolus vulgaris] >gi_21053_emb_CAA40339_ (X57022) small subunit of ribulose 1,5-bisphosphate carboxylase/oxygenase [Phaseolus vulgaris]'		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256

Name	OJ990728_03.9C13.C45.o2.np	Method	AAT/NAP
Start	15538	End	16165
GI	132105	Score	904
Exons	15538..15684, 15788..16165		
GI Descrip.	RIBULOSE BISPHOSPHATE CARBOXYLASE SMALL CHAIN C PRECURSOR (RUBISCO SMALL SUBUNIT C) gi|68094|pir||RKRZS9 ribulose-bisphosphate carboxylase (EC 4.1.1.39) small chain precursor (clone pOSSS1139) - rice gi|218208|dbj|BAA00538| (D00643) small subunit of ribulose-1,5-bisphosphate carboxylase (RuBPC) [Oryza sativa] gi|2407283 (AF017364) ribulose 1,5-bisphosphate carboxyla		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256
Name	OJ990728_03.9C13.C45.o5.gs	Method	GENSCAN
Start	24889	End	26759
GI	none	Score	.79
Exons	24889..25230, 25881..26759		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76284	Strand	+
Start	1	End	34256
Name	OJ990728_03.9C13.C45.o6.gs	Method	GENSCAN
Start	28119	End	29029
GI	none	Score	.5
Exons	28119..28166, 28321..28426, 28935..29029		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76285	Strand	+
Start	35348	End	38194
Name	OJ990728_03.9C13.C45.o4.np	Method	AAT/NAP
Start	35348	End	38194
GI	5739323	Score	1303
Exons	35348..35612, 35640..36562, 36710..38194		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o11.ts	Method	TBLASTX:Soybean
Start	4792	End	5154
GI	none	Score	204
Exons	4792..5154		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o9.ts	Method	TBLASTX:Soybean
Start	5636	End	6004
GI	none	Score	148
Exons	5636..5854, 5870..6004		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091

Name	OJ990728_03.9C13.C45.o2.tw	Method	TBLASTX:Wheat
Start	5798	End	6207
GI	none	Score	605
Exons	5798..6205, 5815..6138, 5913..6206, 5950..6207		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o4.tm	Method	TBLASTX:Maize
Start	5858	End	6073
GI	none	Score	301
Exons	5858..6073, 5860..6072, 5927..6073		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o2.tm	Method	TBLASTX:Maize
Start	6074	End	6535
GI	none	Score	611
Exons	6074..6535, 6076..6138, 6193..6534		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o5.ts	Method	TBLASTX:Soybean
Start	6221	End	6688
GI	none	Score	208
Exons	6221..6502, 6256..6513, 6503..6688		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o5.tw	Method	TBLASTX:Wheat
Start	6316	End	6673
GI	none	Score	123
Exons	6316..6456, 6320..6475, 6503..6673, 6505..6633		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o3.ts	Method	TBLASTX:Soybean
Start	6841	End	7258
GI	none	Score	186
Exons	6841..6975, 6842..6985, 7015..7101, 7016..7258, 7141..7254		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o4.tw	Method	TBLASTX:Wheat
Start	6887	End	7321
GI	none	Score	84
Exons	6887..6976, 7030..7104, 7031..7321, 7135..7236		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o10.tm	Method	TBLASTX:Maize

Start	7770	End	8123
GI	none	Score	199
Exons	7770..8123		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o10.ts	Method	TBLASTX:Soybean
Start	7977	End	8372
GI	none	Score	223
Exons	7977..8372, 8004..8192, 8078..8254		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o6.tw	Method	TBLASTX:Wheat
Start	8523	End	8939
GI	none	Score	197
Exons	8523..8939		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o7.ts	Method	TBLASTX:Soybean
Start	8715	End	8960
GI	none	Score	235
Exons	8715..8960, 8759..8845, 8921..8956		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o1.tc	Method	TBLASTX:Cress
Start	15528	End	16039
GI	none	Score	79
Exons	15528..15617, 15537..15602, 15544..15621, 15770..16039, 15787..16011		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o1.tw	Method	TBLASTX:Wheat
Start	15534	End	16159
GI	none	Score	85
Exons	15534..15599, 15534..15629, 15544..15687, 15778..16155, 15782..16015, 15787..16158, 15788..16159		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o2.ts	Method	TBLASTX:Soybean
Start	15550	End	16204
GI	none	Score	93
Exons	15550..15621, 15552..15626, 15782..16204, 15788..16150		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091

Name	OJ990728_03.9C13.C45.o3.tm	Method	TBLASTX:Maize
Start	15550	End	16204
GI	none	Score	93
Exons	15550..15621, 15552..15626, 15782..16204, 15788..16150		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o4.tc	Method	TBLASTX:Cress
Start	24943	End	25230
GI	none	Score	151
Exons	24943..25047, 25051..25137, 25132..25230		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o8.ts	Method	TBLASTX:Soybean
Start	24943	End	25230
GI	none	Score	154
Exons	24943..25050, 25057..25137, 25131..25220, 25132..25230		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o7.tm	Method	TBLASTX:Maize
Start	24943	End	25230
GI	none	Score	156
Exons	24943..25047, 25050..25220, 25051..25116, 25132..25230		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o5.tm	Method	TBLASTX:Maize
Start	25807	End	26201
GI	none	Score	72
Exons	25807..25941, 25872..25931, 25938..26201, 25940..26047		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o5.tc	Method	TBLASTX:Cress
Start	25929	End	26678
GI	none	Score	243
Exons	25929..26192, 26364..26435, 26466..26678, 26531..26662		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o6.ts	Method	TBLASTX:Soybean
Start	26073	End	26672
GI	none	Score	107
Exons	26073..26201, 26364..26435, 26454..26672, 26531..26662		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o8.tm	Method	TBLASTX:Maize

Start	26531	End	26678
GI	none	Score	205
Exons	26531..26662, 26532..26678, 26589..26663		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o7.gs	Method	GENSCAN
Start	29282	End	31539
GI	none	Score	.8
Exons	29282..29420, 29628..29779, 30327..30387, 30743..31075, 31523..31539		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o1.tm	Method	TBLASTX:Maize
Start	31036	End	34063
GI	none	Score	67
Exons	31036..31089, 33609..34043, 33609..33962, 33611..34063, 33611..34048		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o1.ts	Method	TBLASTX:Soybean
Start	31036	End	34091
GI	none	Score	67
Exons	31036..31089, 33609..34091, 33609..33959, 33611..34090		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o2.tc	Method	TBLASTX:Cress
Start	31036	End	33869
GI	none	Score	67
Exons	31036..31089, 33609..33869, 33609..33857, 33611..33868		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76286	Strand	-
Start	29282	End	34091
Name	OJ990728_03.9C13.C45.o6.tc	Method	TBLASTX:Cress
Start	33869	End	34049
GI	none	Score	203
Exons	33869..33937, 33870..34049, 33992..34048		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76287	Strand	
Start	35319	End	35697
Name	OJ990728_03.9C13.C45.o9.tm	Method	TBLASTX:Maize
Start	35319	End	35697
GI	none	Score	36
Exons	35319..35360, 35320..35388, 35356..35421, 35446..35511, 35447..35512, 35501..35596, 35502..35594, 35516..35605, 35654..35695, 35665..35697		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45

Gene No.	76288	Strand	
Start	35618	End	37960
Name	OJ990728_03.9C13.C45.o3.tc	Method	TBLASTX:Cress
Start	35618	End	37933
GI	none	Score	115
Exons	35618..35854, 35651..35722, 35729..35869, 35732..35851, 36056..36259, 36362..36583, 36377..36628, 36377..36583, 36440..36565, 36443..36628, 36665..36775, 36890..36931, 36983..37132, 37013..37132, 37013..37132, 37013..37132, 37013..37132, 37037..37132, 37145..37288, 37174..37290, 37205..37327, 37205..37288, 37205..37297, 37205..37303, 37310..37480, 37310..37384, 37319..37450, 37319..37465, 37319..37471, 37319..37471, 37319..37504, 37343..37447, 37598..37873, 37598..37876, 37598..37876, 37601..37819, 37601..37822, 37601..37873, 37616..37870, 37619..37879, 37619..37876, 37646..37873, 37652..37873, 37673..37873, 37682..37861, 37745..37873, 37826..37873, 37901..37933		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76288	Strand	
Start	35618	End	37960
Name	OJ990728_03.9C13.C45.o4.ts	Method	TBLASTX:Soybean
Start	35711	End	37960
GI	none	Score	89
Exons	35711..35854, 36263..36424, 36365..36493, 36374..36493, 36377..36565, 36377..36487, 37013..37132, 37049..37132, 37205..37297, 37211..37312, 37388..37450, 37391..37468, 37511..37960, 37625..37873, 37682..37873, 37706..37939		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76288	Strand	
Start	35618	End	37960
Name	OJ990728_03.9C13.C45.o6.tm	Method	TBLASTX:Maize
Start	35714	End	37909
GI	none	Score	77
Exons	35714..35854, 36377..36556, 36386..36565, 37013..37132, 37205..37291, 37568..37798, 37570..37878, 37571..37909		

Seq. No.	37114	Seq. ID	OJ990728_03.9C13.C45
Gene No.	76288	Strand	
Start	35618	End	37960
Name	OJ990728_03.9C13.C45.o3.tw	Method	TBLASTX:Wheat
Start	35732	End	37921
GI	none	Score	72
Exons	35732..35854, 37013..37132, 37556..37921		

Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76289	Strand	+
Start	54	End	206
Name	OJ990728_03.9C13.C46.o1.gs	Method	GENSCAN
Start	54	End	206
GI	none	Score	.46
Exons	54..206		

Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76290	Strand	+
Start	8662	End	8932

Name	OJ990728_03.9C13.C46.o1.gp	Method	AAT/GAP
Start	8662	End	8932
GI	LIB3434-035-P1-K1-A7	Score	464
Exons	8662..8932		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76291	Strand	+
Start	8896	End	8970
Name	OJ990728_03.9C13.C46.o2.gp	Method	AAT/GAP
Start	8896	End	8970
GI	38012_1.R1084	Score	90
Exons	8896..8970		
GI Descrip.	'4[illegible]72255|OSU72255 2.0e-23 Oryza sativa beta [illegible] precursor (Cns9) ger[illegible]complete s'		

Seq. No.	37115		13.C46
Gene No.	76292	Strand	+
Start	9885	End	11203
Name	OJ990728_03.9C13.C46.o4.gs	Method	GENSCAN
Start	9885	End	11203
GI	none	Score	.98
Exons	9885..9899, 10072..10136 [illegible]		

Seq. No.	37115	Seq.	[illegible]03. 13.C46
Gene No.	76293	Strand	-
Start	2027	End	3816
Name	OJ990728_03.9C13.C46.o2.gs	Method	GENSCAN
Start	2027	End	3816
GI	none	Score	.73
Exons	2027..2583, 3351..3816		

Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76293	Strand	-
Start	2027	End	3816
Name	OJ990728_03.9C13.C46.o1.np	Method	AAT/NAP
Start	2030	End	3801
GI	535454	Score	994
Exons	2030..2613, 3351..3801		
GI Descrip.	(U13940) cysteine proteinase [Alnus glutinosa]		

Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76294	Strand	-
Start	5313	End	8559
Name	OJ990728_03.9C13.C46.o3.gs	Method	GENSCAN
Start	5313	End	8559
GI	none	Score	.81
Exons	5313..5492, 5604..5798, 5917..6003, 6445..6535, 6769..6827, 6915..7316, 7430..8014, 8049..8313, 8534..8559		

Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76294	Strand	-
Start	5313	End	8559
Name	OJ990728_03.9C13.C46.o2.np	Method	AAT/NAP
Start	7825	End	8052
GI	6016728	Score	143

Exons	7825..8052		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091715|gb|AAF03427.1|AC010797_3 (AC010797) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76295	Strand	-
Start	13240	End	15838
Name	OJ990728_03.9C13.C46.o1.tm	Method	TBLASTX:Maize
Start	2009	End	3744
GI	none	Score	119
Exons	2009..2167, 2036..2167, 2172..2240, 2177..2284, 2264..2497, 2265..2465, 2498..2620, 3347..3451, 3349..3450, 3505..3573, 3506..3574, 3577..3678, 3577..3687, 3605..3679, 3678..3716, 3679..3744, 3681..3731		
Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76295	Strand	-
Start	13240	End	15838
Name	OJ990728_03.9C13.C46.o1.ts	Method	TBLASTX:Soybean
Start	2031	End	3691
GI	none	Score	188
Exons	2031..2219, 2036..2230, 2249..2509, 2265..2465, 2513..2620, 3348..3413, 3349..3414, 3358..3465, 3428..3454, 3496..3690, 3509..3691		
Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76295	Strand	-
Start	13240	End	15838
Name	OJ990728_03.9C13.C46.o1.tc	Method	TBLASTX:Cress
Start	2033	End	3735
GI	none	Score	207
Exons	2033..2257, 2034..2255, 2249..2512, 2268..2465, 2504..2620, 2553..2621, 3349..3447, 3350..3448, 3481..3555, 3515..3556, 3577..3735, 3590..3691		
Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76295	Strand	-
Start	13240	End	15838
Name	OJ990728_03.9C13.C46.o1.tw	Method	TBLASTX:Wheat
Start	2096	End	3735
GI	none	Score	64
Exons	2096..2161, 2096..2173, 2109..2165, 2177..2263, 2259..2441, 2267..2512, 2510..2608, 2553..2609, 3358..3429, 3359..3424, 3448..3735, 3506..3679, 3514..3711		
Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76295	Strand	-
Start	13240	End	15838
Name	OJ990728_03.9C13.C46.o2.tc	Method	TBLASTX:Cress
Start	7769	End	8014
GI	none	Score	125
Exons	7769..8014, 7839..8000		
Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76295	Strand	-
Start	13240	End	15838

Name	OJ990728_03.9C13.C46.o2.ts	Method	TBLASTX:Soybean
Start	7832	End	7991
GI	none	Score	148
Exons	7832..7990, 7839..7991		
Seq. No.	37115	Seq. ID	OJ990728_03.9C13.C46
Gene No.	76295	Strand	-
Start	13240	End	15838
Name	OJ990728_03.9C13.C46.o5.gs	Method	GENSCAN
Start	13240	End	15838
GI	none	Score	.75
Exons	13240..13285, 14175..14392, 14557..14740, 15723..15838		
Seq. No.	37116	Seq. ID	OJ990728_03.9C13.C47
Gene No.	76296	Strand	+
Start	1	End	325
Name	OJ990728_03.9C13.C47.o1.np	Method	AAT/NAP
Start	1	End	325
GI	6815072	Score	252
Exons	1..325		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		
Seq. No.	37117	Seq. ID	OJ990518_08.9C03.C1
Gene No.	76297	Strand	-
Start	319	End	1019
Name	OJ990518_08.9C03.C1.o1.gs	Method	GENSCAN
Start	319	End	1019
GI	none	Score	.98
Exons	319..1019		
Seq. No.	37117	Seq. ID	OJ990518_08.9C03.C1
Gene No.	76297	Strand	-
Start	319	End	1019
Name	OJ990518_08.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	356	End	847
GI	none	Score	106
Exons	356..604, 404..592, 707..847		
Seq. No.	37117	Seq. ID	OJ990518_08.9C03.C1
Gene No.	76297	Strand	-
Start	319	End	1019
Name	OJ990518_08.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	542	End	999
GI	none	Score	69
Exons	542..664, 543..602, 701..895, 732..884, 895..999		
Seq. No.	37118	Seq. ID	OJ990518_08.9C03.C2
Gene No.	76298	Strand	+
Start	141	End	436
Name	OJ990518_08.9C03.C2.o1.gs	Method	GENSCAN
Start	141	End	436
GI	none	Score	.64
Exons	141..272, 304..436		
Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+

Start	376	End	3814
Name	OJ990518_08.9C03.C4.o1.gs	Method	GENSCAN
Start	376	End	2628
GI	none	Score	.63
Exons	376..2628		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o1.np	Method	AAT/NAP
Start	397	End	3814
GI	4234852	Score	2225
Exons	397..557, 600..2795, 3786..3814		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	489	End	1500
GI	none	Score	586
Exons	489..1067, 490..1098, 1108..1239, 1179..1220, 1344..1394, 1435..1500		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o2.tw	Method	TBLASTX:Wheat
Start	1420	End	1857
GI	none	Score	110
Exons	1420..1617, 1687..1857, 1719..1841		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	1714	End	2100
GI	none	Score	344
Exons	1714..2100, 1725..1931		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	1876	End	2538
GI	none	Score	252
Exons	1876..2115, 2061..2114, 2155..2460, 2178..2438, 2439..2513, 2440..2538		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	1891	End	2349
GI	none	Score	128
Exons	1891..2115, 2164..2349, 2166..2324		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	2155	End	2535
GI	none	Score	119
Exons	2155..2355, 2368..2535		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	2155	End	2541
GI	none	Score	182
Exons	2155..2364, 2157..2336, 2368..2541		

Seq. No.	37119	Seq. ID	OJ990518_08.9C03.C4
Gene No.	76299	Strand	+
Start	376	End	3814
Name	OJ990518_08.9C03.C4.o2.np	Method	AAT/NAP
Start	2734	End	3814
GI	5922623	Score	367
Exons	2734..2814, 3198..3345, 3512..3587, 3795..3814		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76300	Strand	+
Start	158	End	1732
Name	OJ990518_08.9C03.C5.o1.gs	Method	GENSCAN
Start	158	End	1732
GI	none	Score	.99
Exons	158..1732		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76301	Strand	+
Start	8609	End	8730
Name	OJ990518_08.9C03.C5.o3.np	Method	AAT/NAP
Start	8609	End	8730
GI	5922623	Score	106
Exons	8609..8730		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o5.tm	Method	TBLASTX:Maize
Start	2369	End	2515
GI	none	Score	127
Exons	2369..2515, 2370..2510		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730

Name	OJ990518_08.9C03.C5.o1.np	Method	AAT/NAP
Start	2375	End	8026
GI	6498441	Score	6698
Exons	2375..2656, 2750..4147, 4319..4792, 4985..5237, 5412..5546, 5730..6103, 6167..6630, 6961..8026		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o7.tw	Method	TBLASTX:Wheat
Start	2384	End	2986
GI	none	Score	83
Exons	2384..2509, 2388..2510, 2702..2986, 2703..2981		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o4.tw	Method	TBLASTX:Wheat
Start	2987	End	3368
GI	none	Score	165
Exons	2987..3367, 3018..3266, 3312..3368		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	3182	End	3505
GI	none	Score	198
Exons	3182..3505, 3195..3488		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o8.tw	Method	TBLASTX:Wheat
Start	3698	End	4010
GI	none	Score	66
Exons	3698..3958, 3834..4010		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	3758	End	4324
GI	5666795	Score	68
Exons	3758..3958, 4013..4150, 4226..4324		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o5.tw	Method	TBLASTX:Wheat
Start	4013	End	7476
GI	none	Score	92
Exons	4013..4162, 4014..4151, 4016..4153, 4209..4385, 4223..4471,		

4223..4447, 7423..7476

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o2.np	Method	AAT/NAP
Start	5004	End	8730
GI	5042454	Score	2427
Exons	5004..5032, 7116..8550, 8606..8730		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	5075	End	5446
GI	none	Score	90
Exons	5075..5446, 5286..5429		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	5100	End	5524
GI	none	Score	328
Exons	5100..5519, 5105..5524		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	5198	End	5582
GI	none	Score	221
Exons	5198..5581, 5217..5582		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	5609	End	5965
GI	none	Score	104
Exons	5609..5842, 5609..5965, 5619..5930		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	5633	End	6095
GI	none	Score	397
Exons	5633..6094, 5634..6095		

Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o3.ts	Method	TBLASTX:Soybean
Start	5690	End	6055
GI	none	Score	117

Exons	5690..5824, 5831..6055		
Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	6260	End	6746
GI	none	Score	172
Exons	6260..6745, 6264..6551, 6573..6746		
Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o6.tw	Method	TBLASTX:Wheat
Start	7484	End	7876
GI	none	Score	89
Exons	7484..7741, 7518..7757, 7724..7822, 7725..7805, 7829..7876		
Seq. No.	37120	Seq. ID	OJ990518_08.9C03.C5
Gene No.	76302	Strand	-
Start	2375	End	8730
Name	OJ990518_08.9C03.C5.o4.tm	Method	TBLASTX:Maize
Start	7586	End	7871
GI	none	Score	103
Exons	7586..7834, 7587..7871		
Seq. No.	37121	Seq. ID	OJ990518_08.9C03.C6
Gene No.	76303	Strand	+
Start	1	End	335
Name	OJ990518_08.9C03.C6.o1.gp	Method	AAT/GAP
Start	1	End	335
GI	none	Score	645
Exons	1..335		
Seq. No.	37121	Seq. ID	OJ990518_08.9C03.C6
Gene No.	76304	Strand	-
Start	26	End	2786
Name	OJ990518_08.9C03.C6.o1.gs	Method	GENSCAN
Start	26	End	2786
GI	none	Score	.53
Exons	26..152, 2647..2786		
Seq. No.	37122	Seq. ID	OJ990518_08.9C03.C7
Gene No.	76305	Strand	+
Start	307	End	3017
Name	OJ990518_08.9C03.C7.o1.gs	Method	GENSCAN
Start	307	End	3017
GI	none	Score	.53
Exons	307..428, 683..966, 978..1115, 1368..1501, 1965..2082, 2371..2538, 2902..3017		
Seq. No.	37122	Seq. ID	OJ990518_08.9C03.C7
Gene No.	76305	Strand	+
Start	307	End	3017
Name	OJ990518_08.9C03.C7.o1.gp	Method	AAT/GAP
Start	694	End	1205
GI	none	Score	855

Exons	694..1016, 1052..1205		
Seq. No.	37122	Seq. ID	OJ990518_08.9C03.C7
Gene No.	76305	Strand	+
Start	307	End	3017
Name	OJ990518_08.9C03.C7.o1.np	Method	AAT/NAP
Start	796	End	1067
GI	3695408	Score	177
Exons	796..1067		
GI Descrip.	(AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana]		
Seq. No.	37122	Seq. ID	OJ990518_08.9C03.C7
Gene No.	76306	Strand	-
Start	3290	End	3803
Name	OJ990518_08.9C03.C7.o2.gp	Method	AAT/GAP
Start	3290	End	3803
GI	none	Score	1013
Exons	3290..3803		
Seq. No.	37122	Seq. ID	OJ990518_08.9C03.C7
Gene No.	76306	Strand	-
Start	3290	End	3803
Name	OJ990518_08.9C03.C7.o2.np	Method	AAT/NAP
Start	3457	End	3720
GI	3695408	Score	92
Exons	3457..3720		
GI Descrip.	(AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana]		
Seq. No.	37123	Seq. ID	OJ990518_08.9C03.C8
Gene No.	76307	Strand	-
Start	1	End	448
Name	OJ990518_08.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	436
GI	4455371	Score	107
Exons	1..123, 239..436		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		
Seq. No.	37123	Seq. ID	OJ990518_08.9C03.C8
Gene No.	76307	Strand	-
Start	1	End	448
Name	OJ990518_08.9C03.C8.o1.tw	Method	TBLASTX:Wheat.
Start	227	End	448
GI	none	Score	230
Exons	227..442, 228..443, 229..447, 230..448		
Seq. No.	37124	Seq. ID	OJ990518_08.9C03.C9
Gene No.	76308	Strand	+
Start	56	End	2678
Name	OJ990518_08.9C03.C9.o1.gs	Method	GENSCAN
Start	56	End	2449
GI	none	Score	.61

Exons	56..72, 526..679, 1502..1622, 1896..2089, 2239..2449		
Seq. No.	37124	Seq. ID	OJ990518_08.9C03.C9
Gene No.	76308	Strand	+
Start	56	End	2678
Name	OJ990518_08.9C03.C9.o1.np	Method	AAT/NAP
Start	2015	End	2678
GI	2181190	Score	412
Exons	2015..2089, 2239..2449, 2559..2678		
GI Descrip.	(Y12531) serine/threonine kinase [Brassica oleracea]		
Seq. No.	37124	Seq. ID	OJ990518_08.9C03.C9
Gene No.	76308	Strand	+
Start	56	End	2678
Name	OJ990518_08.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	2036	End	2678
GI	none	Score	72
Exons	2036..2089, 2232..2447, 2233..2448, 2233..2460, 2552..2626, 2560..2601, 2600..2677, 2601..2678		
Seq. No.	37124	Seq. ID	OJ990518_08.9C03.C9
Gene No.	76308	Strand	+
Start	56	End	2678
Name	OJ990518_08.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	2238	End	2677
GI	none	Score	203
Exons	2238..2393, 2239..2394, 2252..2434, 2397..2444, 2398..2448, 2552..2677, 2554..2625		
Seq. No.	37124	Seq. ID	OJ990518_08.9C03.C9
Gene No.	76308	Strand	+
Start	56	End	2678
Name	OJ990518_08.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	2238	End	2671
GI	none	Score	262
Exons	2238..2438, 2239..2448, 2251..2460, 2551..2640, 2552..2671		
Seq. No.	37124	Seq. ID	OJ990518_08.9C03.C9
Gene No.	76308	Strand	+
Start	56	End	2678
Name	OJ990518_08.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	2238	End	2677
GI	none	Score	234
Exons	2238..2420, 2239..2421, 2248..2433, 2425..2451, 2477..2677		
Seq. No.	37125	Seq. ID	OJ990518_08.9C03.C10
Gene No.	76309	Strand	+
Start	1	End	1389
Name	OJ990518_08.9C03.C10.o1.np	Method	AAT/NAP
Start	1	End	1389
GI	2252862	Score	371
Exons	1..214, 293..378, 536..760, 878..1087, 1182..1389		
GI Descrip.	(AF013294) Similar to receptor kinase [Arabidopsis thaliana]		
Seq. No.	37125	Seq. ID	OJ990518_08.9C03.C10
Gene No.	76309	Strand	+
Start	1	End	1389

Name	OJ990518_08.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	241	End	1277
GI	none	Score	85
Exons	241..402, 593..757, 878..1075, 1164..1277		

Seq. No.	37125	Seq. ID	OJ990518_08.9C03.C10
Gene No.	76309	Strand	+
Start	1	End	1389
Name	OJ990518_08.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	521	End	1045
GI	none	Score	118
Exons	521..757, 878..1045		

Seq. No.	37125	Seq. ID	OJ990518_08.9C03.C10
Gene No.	76309	Strand	+
Start	1	End	1389
Name	OJ990518_08.9C03.C10.o1.gs	Method	GENSCAN
Start	557	End	1313
GI	none	Score	.8
Exons	557..752, 867..1098, 1181..1313		

Seq. No.	37125	Seq. ID	OJ990518_08.9C03.C10
Gene No.	76309	Strand	+
Start	1	End	1389
Name	OJ990518_08.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	575	End	1286
GI	none	Score	110
Exons	575..769, 890..1075, 932..1069, 1182..1286		

Seq. No.	37125	Seq. ID	OJ990518_08.9C03.C10
Gene No.	76309	Strand	+
Start	1	End	1389
Name	OJ990518_08.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	584	End	1285
GI	none	Score	127
Exons	584..781, 884..1060, 1024..1059, 1178..1285, 1182..1277		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76310	Strand	+
Start	2748	End	6943
Name	OJ990518_08.9C03.C11.o2.gs	Method	GENSCAN
Start	2748	End	6712
GI	none	Score	47
Exons	2748..3183, 3245..3664, 3733..4655, 4735..5845, 6111..6300, 6382..6712		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76310	Strand	+
Start	2748	End	6943
Name	OJ990518_08.9C03.C11.o1.np	Method	AAT/NAP
Start	2867	End	6943
GI	5902445	Score	2120
Exons	2867..2911, 4526..5700, 5740..6943		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76311	Strand	+

Start	12468	End	14886
Name	OJ990518_08.9C03.C11.o5.np	Method	AAT/NAP
Start	12468	End	14886
GI	5734723	Score	664
Exons	12468..13743, 14837..14886		
GI Descrip.	(AC007259) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o5.tw	Method	TBLASTX:Wheat
Start	3657	End	4055
GI	none	Score	55
Exons	3657..3704, 3708..3821, 3719..3769, 3780..4055, 3827..4054		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	4525	End	4860
GI	none	Score	216
Exons	4525..4860		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o3.tw	Method	TBLASTX:Wheat
Start	4525	End	4881
GI	none	Score	316
Exons	4525..4881, 4527..4871		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	4527	End	4953
GI	none	Score	248
Exons	4527..4760, 4528..4782, 4801..4875, 4927..4953		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o4.tw	Method	TBLASTX:Wheat
Start	4950	End	5358
GI	none	Score	213
Exons	4950..5177, 4951..5175, 5185..5358, 5203..5355		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o6.tw	Method	TBLASTX:Wheat
Start	5397	End	5655
GI	none	Score	180
Exons	5397..5651, 5398..5655		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-

Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	5822	End	6124
GI	none	Score	348
Exons	5822..6124, 5836..6123		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o2.tw	Method	TBLASTX:Wheat
Start	5822	End	6202
GI	none	Score	361
Exons	5822..6202, 5827..6201		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	6326	End	6934
GI	none	Score	318
Exons	6326..6778, 6340..6429, 6475..6582, 6803..6934, 6808..6933		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o3.gs	Method	GENSCAN
Start	7564	End	10583
GI	none	Score	.53
Exons	7564..8081, 8180..8325, 8448..9209, 9277..9335, 9406..9591, 9659..9783, 9863..9926, 9993..10387, 10484..10583		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o2.np	Method	AAT/NAP
Start	8447	End	10318
GI	6721561	Score	1092
Exons	8447..9209, 9277..9335, 9406..9591, 10250..10318		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-
Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o3.np	Method	AAT/NAP
Start	8948	End	10583
GI	6721558	Score	268
Exons	8948..9157, 9659..9783, 10484..10583		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76312	Strand	-

Start	7564	End	11529
Name	OJ990518_08.9C03.C11.o4.np	Method	AAT/NAP
Start	9797	End	11529
GI	6721512	Score	68
Exons	9797..9845, 11413..11529		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76313	Strand	
Start	12525	End	13118
Name	OJ990518_08.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	12525	End	12931
GI	none	Score	128
Exons	12525..12644, 12548..12649, 12641..12754, 12651..12761, 12815..12931, 12816..12929		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76313	Strand	
Start	12525	End	13118
Name	OJ990518_08.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	12557	End	13118
GI	none	Score	91
Exons	12557..12649, 12558..12647, 12648..12767, 12656..12766, 12845..13003, 12864..13118		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76314	Strand	
Start	13143	End	13616
Name	OJ990518_08.9C03.C11.o2.tc	Method	TBLASTX:Cress
Start	13143	End	13532
GI	none	Score	139
Exons	13143..13382, 13380..13478, 13494..13532		

Seq. No.	37126	Seq. ID	OJ990518_08.9C03.C11
Gene No.	76314	Strand	
Start	13143	End	13616
Name	OJ990518_08.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	13212	End	13616
GI	none	Score	167
Exons	13212..13532, 13575..13616		

Seq. No.	37127	Seq. ID	OJ990518_08.9C03.C12
Gene No.	76315	Strand	+
Start	52	End	2375
Name	OJ990518_08.9C03.C12.o1.gs	Method	GENSCAN
Start	52	End	2348
GI	none	Score	.42
Exons	52..194, 1455..2348		

Seq. No.	37127	Seq. ID	OJ990518_08.9C03.C12
Gene No.	76315	Strand	+
Start	52	End	2375
Name	OJ990518_08.9C03.C12.o1.gp	Method	AAT/GAP
Start	1375	End	1714
GI	uC-osroM202008d11b1	Score	631
Exons	1375..1714		
GI Descrip.	'5734723/gb|AAD49988.1|AC007259_1 2.0e-09 (AC007259)		

receptor-like protein kinase [Arabidopsis thaliana]'

Seq. No.	37127	Seq. ID	OJ990518_08.9C03.C12
Gene No.	76315	Strand	+
Start	52	End	2375
Name	OJ990518_08.9C03.C12.o1.np	Method	AAT/NAP
Start	1403	End	2375
GI	2181188	Score	568
Exons	1403..2375		
GI Descrip.	(Y12530) serine /threonine kinase [Brassica oleracea]		

Seq. No.	37127	Seq. ID	OJ990518_08.9C03.C12
Gene No.	76315	Strand	+
Start	52	End	2375
Name	OJ990518_08.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	1510	End	1992
GI	none	Score	52
Exons	1510..1560, 1597..1617, 1636..1764, 1747..1824, 1788..1823, 1855..1992, 1857..1979		

Seq. No.	37127	Seq. ID	OJ990518_08.9C03.C12
Gene No.	76315	Strand	+
Start	52	End	2375
Name	OJ990518_08.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	1597	End	2100
GI	none	Score	39
Exons	1597..1617, 1618..1785, 1632..1748, 1855..2100		

Seq. No.	37127	Seq. ID	OJ990518_08.9C03.C12
Gene No.	76315	Strand	+
Start	52	End	2375
Name	OJ990518_08.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	1621	End	1983
GI	none	Score	116
Exons	1621..1788, 1855..1983		

Seq. No.	37128	Seq. ID	OJ990518_08.9C03.C13
Gene No.	76316	Strand	+
Start	663	End	1840
Name	OJ990518_08.9C03.C13.o1.np	Method	AAT/NAP
Start	663	End	1840
GI	6686398	Score	430
Exons	663..1840		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	37128	Seq. ID	OJ990518_08.9C03.C13
Gene No.	76316	Strand	+
Start	663	End	1840
Name	OJ990518_08.9C03.C13.o1.gs	Method	GENSCAN
Start	685	End	1719
GI	none	Score	.47
Exons	685..1719		

Seq. No.	37128	Seq. ID	OJ990518_08.9C03.C13
Gene No.	76317	Strand	-
Start	1	End	215
Name	OJ990518_08.9C03.C13.o1.gp	Method	AAT/GAP

Start	1	End	215
GI	none	Score	422
Exons	1..215		

Seq. No.	37128	Seq. ID	OJ990518_08.9C03.C13
Gene No.	76318	Strand	
Start	775	End	1629
Name	OJ990518_08.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	775	End	1235
GI	none	Score	74
Exons	775..840, 835..951, 931..1014, 1051..1080, 1063..1104, 1099..1233, 1101..1235, 1101..1226		

Seq. No.	37128	Seq. ID	OJ990518_08.9C03.C13
Gene No.	76318	Strand	
Start	775	End	1629
Name	OJ990518_08.9C03.C13.o1.tc	Method	TBLASTX:Cress
Start	790	End	1629
GI	none	Score	134
Exons	790..1014, 795..953, 1057..1146, 1186..1296, 1438..1545, 1540..1599, 1603..1629		

Seq. No.	37128	Seq. ID	OJ990518_08.9C03.C13
Gene No.	76318	Strand	
Start	775	End	1629
Name	OJ990518_08.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	847	End	1341
GI	none	Score	126
Exons	847..948, 855..932, 862..933, 936..1004, 937..1050, 943..1005, 1005..1205, 1006..1245, 1006..1212, 1068..1235, 1195..1221, 1237..1341, 1255..1329		

Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o1.np	Method	AAT/NAP
Start	548	End	3743
GI	2181190	Score	1216
Exons	548..898, 1001..1097, 1181..1418, 1501..1711, 1806..1987, 2029..2189, 2451..2546, 2574..3743		
GI Descrip.	(Y12531) serine/threonine kinase [Brassica oleracea]		

Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o1.gs	Method	GENSCAN
Start	575	End	4303
GI	none	Score	.57
Exons	575..847, 944..1097, 1181..1418, 1501..1711, 1806..1987, 2451..2686, 2776..3669, 3836..3961, 4272..4303		

Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	629	End	1887
GI	none	Score	96

Exons	629..931, 636..782, 647..850, 978..1097, 995..1096, 1002..1097, 1181..1393, 1210..1428, 1487..1720, 1587..1712, 1806..1877, 1813..1887		
Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o1.tc	Method	TBLASTX:Cress
Start	635	End	1886
GI	none	Score	74
Exons	635..859, 684..776, 733..879, 974..1093, 990..1094, 1017..1094, 1181..1381, 1189..1344, 1210..1437, 1481..1720, 1487..1642, 1587..1712, 1801..1872, 1806..1886		
Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	671	End	1910
GI	none	Score	100
Exons	671..1018, 672..863, 990..1097, 1001..1129, 1181..1375, 1210..1404, 1502..1720, 1590..1712, 1801..1908, 1806..1910		
Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o2.tw	Method	TBLASTX:Wheat
Start	974	End	1305
GI	none	Score	126
Exons	974..1096, 990..1097, 1184..1270, 1204..1305		
Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	1306	End	1714
GI	none	Score	107
Exons	1306..1437, 1502..1714, 1590..1712		
Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o2.tc	Method	TBLASTX:Cress
Start	2766	End	3713
GI	none	Score	111
Exons	2766..2792, 2817..2855, 2859..2957, 3096..3200, 3246..3335, 3393..3713		
Seq. No.	37129	Seq. ID	OJ990518_08.9C03.C14
Gene No.	76319	Strand	-
Start	548	End	4303
Name	OJ990518_08.9C03.C14.o2.tm	Method	TBLASTX:Maize
Start	3027	End	3554
GI	none	Score	56
Exons	3027..3155, 3040..3153, 3138..3347, 3142..3393, 3396..3431, 3465..3539, 3469..3546, 3483..3554		

Seq. No.	37130	Seq. ID	OJ990518_08.9C03.C15
Gene No.	76320	Strand	+
Start	94	End	1988
Name	OJ990518_08.9C03.C15.o1.np	Method	AAT/NAP
Start	94	End	1988
GI	6967106	Score	290
Exons	94..142, 1674..1988		
GI Descrip.	(AL132953) putative protein [Arabidopsis thaliana]		

Seq. No.	37130	Seq. ID	OJ990518_08.9C03.C15
Gene No.	76320	Strand	+
Start	94	End	1988
Name	OJ990518_08.9C03.C15.o2.gs	Method	GENSCAN
Start	1545	End	1931
GI	none	Score	.99
Exons	1545..1931		

Seq. No.	37130	Seq. ID	OJ990518_08.9C03.C15
Gene No.	76320	Strand	+
Start	94	End	1988
Name	OJ990518_08.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	1775	End	1977
GI	none	Score	124
Exons	1775..1885, 1776..1904, 1880..1972, 1905..1976, 1906..1977		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76321	Strand	+
Start	2573	End	5857
Name	OJ990518_08.9C03.C16.o1.np	Method	AAT/NAP
Start	2573	End	5857
GI	6686398	Score	1233
Exons	2573..3845, 3979..4181, 4228..4367, 4446..4656, 4739..4976, 5066..5169, 5331..5857		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76322	Strand	-
Start	79	End	251
Name	OJ990518_08.9C03.C16.o1.gs	Method	GENSCAN
Start	79	End	251
GI	none	Score	.98
Exons	79..251		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76323	Strand	-
Start	2129	End	2489
Name	OJ990518_08.9C03.C16.o1.gp	Method	AAT/GAP
Start	2129	End	2489
GI	LIB3431-014-P1-K1-B5	Score	576
Exons	2129..2489		
GI Descrip.	'1272349 4.0e-18 (U51740) secreted glycoprotein 3 [Ipomoea trifida]'		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76324	Strand	
Start	2654	End	3262
Name	OJ990518_08.9C03.C16.o2.ts	Method	TBLASTX:Soybean

Start	2654	End	3145
GI	none	Score	73
Exons	2654..2755, 2750..2902, 2755..2838, 3001..3141, 3011..3145		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76324	Strand	
Start	2654	End	3262
Name	OJ990518_08.9C03.C16.o2.tc	Method	TBLASTX:Cress
Start	2678	End	3208
GI	none	Score	159
Exons	2678..2947, 2710..2922, 2969..3064, 3016..3042, 3098..3208		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76324	Strand	
Start	2654	End	3262
Name	OJ990518_08.9C03.C16.o2.tm	Method	TBLASTX:Maize
Start	2762	End	3262
GI	none	Score	130
Exons	2762..2872, 2777..2848, 2811..2849, 2836..2937, 2840..2959, 2855..2953, 2942..3166, 2977..3144, 3149..3262, 3167..3241		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76325	Strand	
Start	3590	End	3817
Name	OJ990518_08.9C03.C16.o3.tm	Method	TBLASTX:Maize
Start	3590	End	3817
GI	none	Score	266
Exons	3590..3817, 3596..3802, 3615..3815		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76326	Strand	
Start	4269	End	5599
Name	OJ990518_08.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	4269	End	5599
GI	none	Score	89
Exons	4269..4367, 4437..4655, 4445..4651, 4756..4956, 4758..4976, 4782..4976, 5066..5173, 5067..5162, 5362..5559, 5366..5560, 5483..5599		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76326	Strand	
Start	4269	End	5599
Name	OJ990518_08.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	4284	End	5598
GI	none	Score	95
Exons	4284..4367, 4437..4655, 4445..4654, 4561..4656, 4732..4962, 4737..4973, 4762..4980, 4766..4972, 4776..4976, 5066..5191, 5067..5192, 5069..5200, 5070..5192, 5366..5590, 5452..5598		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76326	Strand	
Start	4269	End	5599
Name	OJ990518_08.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	4296	End	5590
GI	none	Score	85
Exons	4296..4367, 4434..4670, 4445..4663, 4497..4667, 4732..4962, 4737..4928, 4762..4980, 4887..4976, 5066..5182, 5067..5168,		

5067..5201, 5069..5170, 5366..5590, 5443..5520

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76326	Strand	
Start	4269	End	5599
Name	OJ990518_08.9C03.C16.o1.tw	Method	TBLASTX:Wheat
Start	4443	End	4853
GI	none	Score	260
Exons	4443..4655, 4445..4651, 4732..4851, 4746..4853		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76326	Strand	
Start	4269	End	5599
Name	OJ990518_08.9C03.C16.o2.tw	Method	TBLASTX:Wheat
Start	4854	End	5174
GI	none	Score	142
Exons	4854..4973, 4855..4962, 5066..5173, 5067..5174		

Seq. No.	37131	Seq. ID	OJ990518_08.9C03.C16
Gene No.	76326	Strand	
Start	4269	End	5599
Name	OJ990518_08.9C03.C16.o3.tw	Method	TBLASTX:Wheat
Start	5377	End	5581
GI	none	Score	175
Exons	5377..5580, 5378..5581		

Seq. No.	37132	Seq. ID	OJ990518_08.9C03.C17
Gene No.	76327	Strand	+
Start	1955	End	2585
Name	OJ990518_08.9C03.C17.o1.np	Method	AAT/NAP
Start	1955	End	2585
GI	1272349	Score	349
Exons	1955..2585		
GI Descrip.	(U51740) secreted glycoprotein 3 [Ipomoea trifida]		

Seq. No.	37132	Seq. ID	OJ990518_08.9C03.C17
Gene No.	76327	Strand	+
Start	1955	End	2585
Name	OJ990518_08.9C03.C17.o1.ts	Method	TBLASTX:Soybean
Start	1960	End	2406
GI	none	Score	177
Exons	1960..2199, 2224..2406		

Seq. No.	37132	Seq. ID	OJ990518_08.9C03.C17
Gene No.	76327	Strand	+
Start	1955	End	2585
Name	OJ990518_08.9C03.C17.o1.tc	Method	TBLASTX:Cress
Start	2047	End	2571
GI	none	Score	82
Exons	2047..2136, 2155..2253, 2218..2484, 2539..2571		

Seq. No.	37132	Seq. ID	OJ990518_08.9C03.C17
Gene No.	76327	Strand	+
Start	1955	End	2585
Name	OJ990518_08.9C03.C17.o1.gp	Method	AAT/GAP
Start	2133	End	2585
GI	3761421	Score	810

Exons	2133..2585		
GI Descrip.	1272349 4.0e-18 (U51740) secreted glycoprotein 3 [Ipomoea trifida]		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o1.np	Method	AAT/NAP
Start	1	End	2822
GI	322652	Score	982
Exons	1..354, 721..855, 924..1102, 1542..1772, 2020..2237, 2323..2470, 2556..2822		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) precursor - rape gi|167181 (M97667) serine/threonine kinase receptor [Brassica napus]		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o1.gs	Method	GENSCAN
Start	39	End	2470
GI	none	Score	.85
Exons	39..354, 718..822, 924..1102, 1542..2008, 2037..2237, 2323..2470		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o4.tm	Method	TBLASTX:Maize
Start	926	End	1102
GI	none	Score	182
Exons	926..1102, 934..1095		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o1.tc	Method	TBLASTX:Cress
Start	1022	End	2803
GI	none	Score	90
Exons	1022..1102, 1030..1101, 1542..1751, 1592..1750, 1598..1753, 1990..2235, 1998..2234, 2326..2448, 2326..2430, 2327..2449, 2565..2768, 2627..2803		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o1.ts	Method	TBLASTX:Soybean
Start	1542	End	2807
GI	none	Score	208
Exons	1542..1724, 1600..1734, 1601..1723, 1728..1754, 1975..2175, 1992..2234, 1993..2235, 2025..2237, 2323..2430, 2324..2425, 2544..2747, 2552..2767, 2556..2807		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o2.tw	Method	TBLASTX:Wheat
Start	1542	End	2061
GI	none	Score	249

Exons	1542..1751, 1598..1744, 1612..1752, 1990..2061		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o2.tm	Method	TBLASTX:Maize
Start	1542	End	1751
GI	none	Score	279
Exons	1542..1751, 1592..1750		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o1.tm	Method	TBLASTX:Maize
Start	2026	End	2434
GI	none	Score	299
Exons	2026..2235, 2028..2237, 2322..2426, 2322..2414, 2323..2427, 2323..2427, 2324..2434		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o1.tw	Method	TBLASTX:Wheat
Start	2062	End	2597
GI	none	Score	243
Exons	2062..2235, 2064..2234, 2068..2235, 2323..2430, 2324..2431, 2556..2597		
Seq. No.	37133	Seq. ID	OJ990518_08.9C03.C18
Gene No.	76328	Strand	+
Start	1	End	2822
Name	OJ990518_08.9C03.C18.o3.tm	Method	TBLASTX:Maize
Start	2441	End	2818
GI	none	Score	46
Exons	2441..2470, 2541..2777, 2542..2778, 2543..2818, 2556..2798, 2615..2800		
Seq. No.	37134	Seq. ID	OJ990518_08.9C03.C19
Gene No.	76329	Strand	-
Start	530	End	4385
Name	OJ990518_08.9C03.C19.o1.gp	Method	AAT/GAP
Start	252	End	705
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	252..705		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	37134	Seq. ID	OJ990518_08.9C03.C19
Gene No.	76329	Strand	-
Start	530	End	4385
Name	OJ990518_08.9C03.C19.o1.gs	Method	GENSCAN
Start	530	End	4149
GI	none	Score	.75
Exons	530..719, 870..1043, 1048..1095, 1159..1290, 1381..1418, 1484..1666, 1760..2018, 2095..2393, 2487..2897, 2982..3318, 3424..3574, 3952..4149		

Seq. No.	37134	Seq. ID	OJ990518_08.9C03.C19
Gene No.	76329	Strand	-
Start	530	End	4385
Name	OJ990518_08.9C03.C19.o1.np	Method	AAT/NAP
Start	809	End	4385
GI	5441880	Score	2820
Exons	809..1043, 1159..1290, 1381..1404, 1441..1514, 1760..2018, 2095..2393, 2982..3318, 3424..3574, 4072..4385		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	37134	Seq. ID	OJ990518_08.9C03.C19
Gene No.	76329	Strand	-
Start	530	End	4385
Name	OJ990518_08.9C03.C19.o2.gp	Method	AAT/GAP
Start	1768	End	2267
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	1768..2018, 2095..2267		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	37135	Seq. ID	OJ990518_08.9C03.C20
Gene No.	76330	Strand	+
Start	1	End	557
Name	OJ990518_08.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	554
GI	4455151	Score	547
Exons	1..205, 319..554		
GI Descrip.	(AL022603) putative serine/threonine kinase (fragment) [Arabidopsis thaliana]		

Seq. No.	37135	Seq. ID	OJ990518_08.9C03.C20
Gene No.	76330	Strand	+
Start	1	End	557
Name	OJ990518_08.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	556
GI	none	Score	239
Exons	1..204, 9..203, 312..554, 338..556, 449..556		

Seq. No.	37135	Seq. ID	OJ990518_08.9C03.C20
Gene No.	76330	Strand	+
Start	1	End	557
Name	OJ990518_08.9C03.C20.o1.tc	Method	TBLASTX:Cress
Start	1	End	554
GI	none	Score	213
Exons	1..204, 9..203, 318..554, 338..553		

Seq. No.	37135	Seq. ID	OJ990518_08.9C03.C20
Gene No.	76330	Strand	+
Start	1	End	557
Name	OJ990518_08.9C03.C20.o1.tw	Method	TBLASTX:Wheat
Start	1	End	433
GI	none	Score	254
Exons	1..204, 3..209, 318..431, 341..433		

Seq. No.	37135	Seq. ID	OJ990518_08.9C03.C20
Gene No.	76330	Strand	+
Start	1	End	557
Name	OJ990518_08.9C03.C20.o1.ts	Method	TBLASTX:Soybean
Start	1	End	557
GI	none	Score	235
Exons	1..204, 9..200, 46..216, 317..553, 318..554, 378..557, 470..556		

Seq. No.	37135	Seq. ID	OJ990518_08.9C03.C20
Gene No.	76330	Strand	+
Start	1	End	557
Name	OJ990518_08.9C03.C20.o1.gs	Method	GENSCAN
Start	306	End	492
GI	none	Score	.66
Exons	306..492		

Seq. No.	37136	Seq. ID	OJ990518_08.9C03.C21
Gene No.	76331	Strand	-
Start	11	End	469
Name	OJ990518_08.9C03.C21.o1.gs	Method	GENSCAN
Start	11	End	469
GI	none	Score	.6
Exons	11..211, 316..469		

Seq. No.	37137	Seq. ID	OJ990518_08.9C03.C23
Gene No.	76332	Strand	-
Start	848	End	1647
Name	OJ990518_08.9C03.C23.o1.tc	Method	TBLASTX:Cress
Start	839	End	1541
GI	none	Score	59
Exons	839..964, 840..911, 911..1183, 987..1181, 1034..1183, 1266..1382, 1268..1384, 1272..1385, 1286..1387, 1473..1535, 1477..1536, 1477..1536, 1488..1541		

Seq. No.	37137	Seq. ID	OJ990518_08.9C03.C23
Gene No.	76332	Strand	-
Start	848	End	1647
Name	OJ990518_08.9C03.C23.o1.tw	Method	TBLASTX:Wheat
Start	844	End	1117
GI	none	Score	77
Exons	844..930, 845..973, 846..911, 847..975, 911..1117, 990..1115, 1037..1117		

Seq. No.	37137	Seq. ID	OJ990518_08.9C03.C23
Gene No.	76332	Strand	-
Start	848	End	1647
Name	OJ990518_08.9C03.C23.o1.gs	Method	GENSCAN
Start	848	End	1564
GI	none	Score	.75
Exons	848..1180, 1268..1384, 1477..1564		

Seq. No.	37137	Seq. ID	OJ990518_08.9C03.C23
Gene No.	76332	Strand	-
Start	848	End	1647
Name	OJ990518_08.9C03.C23.o1.tm	Method	TBLASTX:Maize
Start	848	End	1387
GI	none	Score	69

Exons	848..967, 852..914, 907..972, 908..1186, 981..1184, 1007..1186, 1265..1387, 1266..1385		
Seq. No.	37137	Seq. ID	OJ990518_08.9C03.C23
Gene No.	76332	Strand	-
Start	848	End	1647
Name	OJ990518_08.9C03.C23.o1.np	Method	AAT/NAP
Start	851	End	1647
GI	4454484	Score	598
Exons	851..1180, 1268..1384, 1477..1647		
GI Descrip.	(AC006234) putative diacylglycerol kinase [Arabidopsis thaliana]		
Seq. No.	37137	Seq. ID	OJ990518_08.9C03.C23
Gene No.	76332	Strand	-
Start	848	End	1647
Name	OJ990518_08.9C03.C23.o1.ts	Method	TBLASTX:Soybean
Start	876	End	1352
GI	none	Score	47
Exons	876..908, 878..964, 929..1183, 987..1175, 1010..1204, 1256..1351, 1263..1352		
Seq. No.	37137	Seq. ID	OJ990518_08.9C03.C23
Gene No.	76332	Strand	-
Start	848	End	1647
Name	OJ990518_08.9C03.C23.o2.tw	Method	TBLASTX:Wheat
Start	1343	End	1567
GI	none	Score	47
Exons	1343..1384, 1344..1385, 1362..1385, 1473..1562, 1477..1563, 1477..1566, 1478..1567, 1481..1567		
Seq. No.	37138	Seq. ID	OJ990518_08.9C03.C24
Gene No.	76333	Strand	-
Start	1	End	2226
Name	OJ990518_08.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	1273
GI	6907089	Score	1989
Exons	1..1273		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	37138	Seq. ID	OJ990518_08.9C03.C24
Gene No.	76333	Strand	-
Start	1	End	2226
Name	OJ990518_08.9C03.C24.o1.gs	Method	GENSCAN
Start	12	End	1273
GI	none	Score	93
Exons	12..1273		
Seq. No.	37138	Seq. ID	OJ990518_08.9C03.C24
Gene No.	76333	Strand	-
Start	1	End	2226
Name	OJ990518_08.9C03.C24.o2.np	Method	AAT/NAP
Start	894	End	2226
GI	5922623	Score	74
Exons	894..915, 2108..2226		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	37139	Seq. ID	OJ990518_08.9C03.C25
Gene No.	76334	Strand	+
Start	1	End	376
Name	OJ990518_08.9C03.C25.o1.np	Method	AAT/NAP
Start	1	End	376
GI	6498441	Score	476
Exons	1..376		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	37139	Seq. ID	OJ990518_08.9C03.C25
Gene No.	76334	Strand	+
Start	1	End	376
Name	OJ990518_08.9C03.C25.o1.tw	Method	TBLASTX:Wheat
Start	49	End	273
GI	none	Score	210
Exons	49..273, 57..272		

Seq. No.	37140	Seq. ID	OJ990518_08.9C03.C26
Gene No.	76335	Strand	-
Start	431	End	905
Name	OJ990518_08.9C03.C26.o1.np	Method	AAT/NAP
Start	414	End	905
GI	3021267	Score	198
Exons	414..733, 790..905		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	37140	Seq. ID	OJ990518_08.9C03.C26
Gene No.	76335	Strand	-
Start	431	End	905
Name	OJ990518_08.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	420	End	848
GI	none	Score	207
Exons	420..674, 425..733, 435..746, 452..748, 511..747, 819..848		

Seq. No.	37140	Seq. ID	OJ990518_08.9C03.C26
Gene No.	76335	Strand	-
Start	431	End	905
Name	OJ990518_08.9C03.C26.o1.gs	Method	GENSCAN
Start	431	End	899
GI	none	Score	.6
Exons	431..567, 878..899		

Seq. No.	37140	Seq. ID	OJ990518_08.9C03.C26
Gene No.	76335	Strand	-
Start	431	End	905
Name	OJ990518_08.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	512	End	745
GI	none	Score	151
Exons	512..733, 522..737, 542..745		

Seq. No.	37140	Seq. ID	OJ990518_08.9C03.C26
Gene No.	76335	Strand	-
Start	431	End	905

Name	OJ990518_08.9C03.C26.o1.tc	Method	TBLASTX:Cress
Start	521	End	767
GI	none	Score	125
Exons	521..733, 522..767		

Seq. No.	37140	Seq. ID	OJ990518_08.9C03.C26
Gene No.	76335	Strand	-
Start	431	End	905
Name	OJ990518_08.9C03.C26.o1.tw	Method	TBLASTX:Wheat
Start	530	End	734
GI	none	Score	114
Exons	530..733, 531..734		

Seq. No.	37141	Seq. ID	OJ990518_08.9C03.C27
Gene No.	76336	Strand	+
Start	1	End	284
Name	OJ990518_08.9C03.C27.o1.gp	Method	AAT/GAP
Start	1	End	284
GI	none	Score	518
Exons	1..284		

Seq. No.	37141	Seq. ID	OJ990518_08.9C03.C27
Gene No.	76336	Strand	+
Start	1	End	284
Name	OJ990518_08.9C03.C27.o1.np	Method	AAT/NAP
Start	1	End	193
GI	3695408	Score	156
Exons	1..193		
GI Descrip.	(AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana]		

Seq. No.	37141	Seq. ID	OJ990518_08.9C03.C27
Gene No.	76337	Strand	-
Start	31	End	168
Name	OJ990518_08.9C03.C27.o1.gs	Method	GENSCAN
Start	31	End	168
GI	none	Score	.92
Exons	31..168		

Seq. No.	37142	Seq. ID	OJ990518_08.9C03.C28
Gene No.	76338	Strand	-
Start	1	End	744
Name	OJ990518_08.9C03.C28.o1.np	Method	AAT/NAP
Start	1	End	744
GI	3402758	Score	391
Exons	1..72, 110..257, 347..584, 667..744		
GI Descrip.	(AL031187) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	37142	Seq. ID	OJ990518_08.9C03.C28
Gene No.	76338	Strand	-
Start	1	End	744
Name	OJ990518_08.9C03.C28.o1.gs	Method	GENSCAN
Start	110	End	584
GI	none	Score	.46

Exons	110..257, 347..584		
Seq. No.	37142	Seq. ID	OJ990518_08.9C03.C28
Gene No.	76338	Strand	-
Start	1	End	744
Name	OJ990518_08.9C03.C28.o1.tc	Method	TBLASTX:Cress
Start	123	End	591
GI	none	Score	103
Exons	123..254, 131..256, 131..253, 350..586, 351..557, 361..591	132..257, 343..561, 347..547,	
Seq. No.	37142	Seq. ID	OJ990518_08.9C03.C28
Gene No.	76338	Strand	-
Start	1	End	744
Name	OJ990518_08.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	146	End	561
GI	none	Score	113
Exons	146..256, 153..257, 343..561,	347..493, 361..558	
Seq. No.	37142	Seq. ID	OJ990518_08.9C03.C28
Gene No.	76338	Strand	-
Start	1	End	744
Name	OJ990518_08.9C03.C28.o1.tw	Method	TBLASTX:Wheat
Start	149	End	522
GI	none	Score	118
Exons	149..256, 150..257, 350..520,	361..522	
Seq. No.	37142	Seq. ID	OJ990518_08.9C03.C28
Gene No.	76338	Strand	-
Start	1	End	744
Name	OJ990518_08.9C03.C28.o1.ts	Method	TBLASTX:Soybean
Start	150	End	594
GI	none	Score	99
Exons	150..257, 155..256, 347..559,	350..586, 352..591, 361..594	
Seq. No.	37143	Seq. ID	OJ990518_08.9C03.C29
Gene No.	76339	Strand	-
Start	269	End	715
Name	OJ990518_08.9C03.C29.o1.gs	Method	GENSCAN
Start	269	End	715
GI	none	Score	.4
Exons	269..606, 667..715		
Seq. No.	37144	Seq. ID	OJ990518_08.9C03.C31
Gene No.	76340	Strand	+
Start	117	End	238
Name	OJ990518_08.9C03.C31.o1.np	Method	AAT/NAP
Start	117	End	238
GI	6069646	Score	81
Exons	117..238		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	37145	Seq. ID	OJ990518_08.9C03.C32

Gene No.	76341	Strand	-
Start	1	End	354
Name	OJ990518_08.9C03.C32.o1.np	Method	AAT/NAP
Start	1	End	354
GI	5524769	Score	256
Exons	1..73, 211..354		
GI Descrip.	(AJ243822) Mre11 protein [Arabidopsis thaliana]		

Seq. No.	37145	Seq. ID	OJ990518_08.9C03.C32
Gene No.	76341	Strand	-
Start	1	End	354
Name	OJ990518_08.9C03.C32.o1.ts	Method	TBLASTX:Soybean
Start	5	End	343
GI	none	Score	104
Exons	5..76, 6..74, 208..342, 209..343		

Seq. No.	37145	Seq. ID	OJ990518_08.9C03.C32
Gene No.	76341	Strand	-
Start	1	End	354
Name	OJ990518_08.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	208	End	340
GI	none	Score	165
Exons	208..333, 209..340		

Seq. No.	37146	Seq. ID	OJ990518_08.9C03.C33
Gene No.	76342	Strand	+
Start	446	End	742
Name	OJ990518_08.9C03.C33.o1.gs	Method	GENSCAN
Start	446	End	742
GI	none	Score	.9
Exons	446..453, 504..742		

Seq. No.	37146	Seq. ID	OJ990518_08.9C03.C33
Gene No.	76343	Strand	-
Start	206	End	434
Name	OJ990518_08.9C03.C33.o1.np	Method	AAT/NAP
Start	206	End	434
GI	6069646	Score	90
Exons	206..434		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	37147	Seq. ID	OJ990518_08.9C03.C35
Gene No.	76344	Strand	-
Start	1	End	1219
Name	OJ990518_08.9C03.C35.o1.ts	Method	TBLASTX:Soybean
Start	1	End	364
GI	none	Score	191
Exons	1..195, 2..187, 7..216, 268..363, 275..364		

Seq. No.	37147	Seq. ID	OJ990518_08.9C03.C35
Gene No.	76344	Strand	-
Start	1	End	1219
Name	OJ990518_08.9C03.C35.o1.tw	Method	TBLASTX:Wheat

Start	1	End	129
GI	none	Score	126
Exons	1..129, 2..127		

Seq. No.	37147	Seq. ID	OJ990518_08.9C03.C35
Gene No.	76344	Strand	-
Start	1	End	1219
Name	OJ990518_08.9C03.C35.o1.tm	Method	TBLASTX:Maize
Start	1	End	399
GI	none	Score	288
Exons	1..198, 2..196, 10..198, 277..399, 278..397		

Seq. No.	37147	Seq. ID	OJ990518_08.9C03.C35
Gene No.	76344	Strand	-
Start	1	End	1219
Name	OJ990518_08.9C03.C35.o1.np	Method	AAT/NAP
Start	1	End	1219
GI	4454484	Score	678
Exons	1..192, 280..396, 489..576, 772..849, 994..1061, 1146..1219		
GI Descrip.	(AC006234) putative diacylglycerol kinase [Arabidopsis thaliana]		

Seq. No.	37147	Seq. ID	OJ990518_08.9C03.C35
Gene No.	76344	Strand	-
Start	1	End	1219
Name	OJ990518_08.9C03.C35.o1.tc	Method	TBLASTX:Cress
Start	1	End	1219
GI	none	Score	170
Exons	1..195, 5..193, 46..195, 278..394, 280..396, 284..397, 298..399, 489..548, 489..548, 499..549, 500..553, 804..878, 991..1062, 993..1064, 1003..1065, 1125..1178, 1126..1179, 1190..1219		

Seq. No.	37147	Seq. ID	OJ990518_08.9C03.C35
Gene No.	76344	Strand	-
Start	1	End	1219
Name	OJ990518_08.9C03.C35.o1.gs	Method	GENSCAN
Start	19	End	971
GI	none	Score	.65
Exons	19..192, 280..396, 489..576, 772..971		

Seq. No.	37147	Seq. ID	OJ990518_08.9C03.C35
Gene No.	76344	Strand	-
Start	1	End	1219
Name	OJ990518_08.9C03.C35.o2.tw	Method	TBLASTX:Wheat
Start	355	End	1219
GI	none	Score	47
Exons	355..396, 356..397, 374..397, 489..575, 489..578, 490..579, 493..579, 774..851, 777..851, 991..1059, 993..1064, 1009..1068, 1010..1069, 1125..1178, 1144..1179, 1147..1179, 1190..1219		

Seq. No.	37148	Seq. ID	OJ990518_08.9C03.C37
Gene No.	76345	Strand	+
Start	1	End	1372
Name	OJ990518_08.9C03.C37.o1.np	Method	AAT/NAP
Start	1	End	1372
GI	3402758	Score	777
Exons	1..222, 332..569, 796..946, 1060..1372		
GI Descrip.	(AL031187) serine/threonine kinase-like protein [Arabidopsis		

thaliana]

Seq. No.	37148	Seq. ID	OJ990518_08.9C03.C37
Gene No.	76345	Strand	+
Start	1	End	1372
Name	OJ990518_08.9C03.C37.o2.tm	Method	TBLASTX:Maize
Start	5	End	492
GI	none	Score	336
Exons	5..220, 6..221, 6..233, 325..399, 333..374, 371..484, 372..485, 373..492, 374..484		

Seq. No.	37148	Seq. ID	OJ990518_08.9C03.C37
Gene No.	76345	Strand	+
Start	1	End	1372
Name	OJ990518_08.9C03.C37.o1.tc	Method	TBLASTX:Cress
Start	11	End	1233
GI	none	Score	216
Exons	11..208, 12..221, 21..221, 82..222, 325..567, 359..571, 365..568, 409..570, 799..903, 800..904, 1069..1233, 1092..1199		

Seq. No.	37148	Seq. ID	OJ990518_08.9C03.C37
Gene No.	76345	Strand	+
Start	1	End	1372
Name	OJ990518_08.9C03.C37.o1.ts	Method	TBLASTX:Soybean
Start	11	End	1272
GI	none	Score	234
Exons	11..193, 12..194, 21..206, 198..224, 250..567, 409..522, 796..909, 797..946, 1056..1223, 1060..1224, 1237..1272		

Seq. No.	37148	Seq. ID	OJ990518_08.9C03.C37
Gene No.	76345	Strand	+
Start	1	End	1372
Name	OJ990518_08.9C03.C37.o1.tw	Method	TBLASTX:Wheat
Start	11	End	444
GI	none	Score	262
Exons	11..211, 12..221, 24..233, 324..413, 325..444		

Seq. No.	37148	Seq. ID	OJ990518_08.9C03.C37
Gene No.	76345	Strand	+
Start	1	End	1372
Name	OJ990518_08.9C03.C37.o1.gs	Method	GENSCAN
Start	332	End	1347
GI	none	Score	48
Exons	332..569, 796..946, 1060..1347		

Seq. No.	37148	Seq. ID	OJ990518_08.9C03.C37
Gene No.	76345	Strand	+
Start	1	End	1372
Name	OJ990518_08.9C03.C37.o2.tw	Method	TBLASTX:Wheat
Start	445	End	946
GI	none	Score	147
Exons	445..567, 486..566, 766..903, 770..946		

Seq. No.	37148	Seq. ID	OJ990518_08.9C03.C37
Gene No.	76345	Strand	+
Start	1	End	1372
Name	OJ990518_08.9C03.C37.o1.tm	Method	TBLASTX:Maize

Start	779	End	1347
GI	none	Score	171
Exons	779..904, 779..895, 781..897, 896..946, 898..945, 899..946, 1056..1286, 1060..1284, 1062..1286, 1287..1346, 1288..1347		

Seq. No.	37149	Seq. ID	OJ990518_08.9C03.C38
Gene No.	76346	Strand	+
Start	1	End	1570
Name	OJ990518_08.9C03.C38.o1.np	Method	AAT/NAP
Start	1	End	1570
GI	5734723	Score	304
Exons	1..581, 1491..1570		
GI Descrip.	(AC007259) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	37149	Seq. ID	OJ990518_08.9C03.C38
Gene No.	76346	Strand	+
Start	1	End	1570
Name	OJ990518_08.9C03.C38.o1.tw	Method	TBLASTX:Wheat
Start	95	End	511
GI	none	Score	99
Exons	95..193, 206..367, 386..457, 473..511		

Seq. No.	37149	Seq. ID	OJ990518_08.9C03.C38
Gene No.	76346	Strand	+
Start	1	End	1570
Name	OJ990518_08.9C03.C38.o1.gs	Method	GENSCAN
Start	128	End	1394
GI	none	Score	.74
Exons	128..572, 1270..1394		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o1.gs	Method	GENSCAN
Start	527	End	2922
GI	none	Score	.95
Exons	527..829, 911..1061, 1161..1398, 1512..1722, 1801..1982, 2562..2922		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o1.tm	Method	TBLASTX:Maize
Start	527	End	1566
GI	none	Score	69
Exons	527..595, 617..829, 618..728, 917..1060, 960..1061, 993..1061, 1180..1374, 1181..1405, 1212..1400, 1509..1556, 1513..1566		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o1.np	Method	AAT/NAP
Start	530	End	2925
GI	3021270	Score	817
Exons	530..829, 911..1061, 1161..1398, 1512..1722, 1801..1887, 2857..2925		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis		

thaliana]

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o1.ts	Method	TBLASTX:Soybean
Start	614	End	1902
GI	none	Score	74
Exons	614..841, 618..842, 910..993, 959..1060, 966..1061, 966..1061, 1157..1339, 1161..1247, 1163..1399, 1164..1400, 1501..1671, 1513..1725, 1517..1723, 1800..1838, 1801..1902		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o1.tc	Method	TBLASTX:Cress
Start	617	End	1884
GI	none	Score	104
Exons	617..841, 953..1057, 954..1058, 969..1058, 1163..1399, 1164..1379, 1513..1725, 1514..1723, 1801..1884		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o2.tw	Method	TBLASTX:Wheat
Start	788	End	1283
GI	none	Score	64
Exons	788..829, 884..1057, 944..1060, 954..1061, 1162..1281, 1163..1282, 1163..1282, 1164..1283		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o1.tw	Method	TBLASTX:Wheat
Start	1284	End	1725
GI	none	Score	68
Exons	1284..1376, 1286..1399, 1508..1723, 1513..1725		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o2.tm	Method	TBLASTX:Maize
Start	1567	End	2157
GI	none	Score	187
Exons	1567..1725, 1568..1723, 1801..1983, 1801..1983, 2044..2157, 2082..2138		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39
Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o2.np	Method	AAT/NAP
Start	2527	End	2925
GI	1272345	Score	150
Exons	2527..2925		
GI Descrip.	(U51738) secreted glycoprotein 1 [Ipomoea trifida]		

Seq. No.	37150	Seq. ID	OJ990518_08.9C03.C39

Gene No.	76347	Strand	-
Start	527	End	2925
Name	OJ990518_08.9C03.C39.o3.tm	Method	TBLASTX:Maize
Start	2604	End	2826
GI	none	Score	79
Exons	2604..2672, 2614..2694, 2615..2671, 2623..2673, 2669..2815, 2669..2794, 2683..2826, 2749..2820		

Seq. No.	37151	Seq. ID	OJ990518_08.9C03.C40
Gene No.	76348	Strand	+
Start	186	End	652
Name	OJ990518_08.9C03.C40.o1.gp	Method	AAT/GAP
Start	186	End	652
GI	none	Score	926
Exons	186..652		

Seq. No.	37151	Seq. ID	OJ990518_08.9C03.C40
Gene No.	76349	Strand	-
Start	282	End	1699
Name	OJ990518_08.9C03.C40.o1.gs	Method	GENSCAN
Start	282	End	1584
GI	none	Score	.5
Exons	282..353, 550..795, 1057..1189, 1311..1584		

Seq. No.	37151	Seq. ID	OJ990518_08.9C03.C40
Gene No.	76349	Strand	-
Start	282	End	1699
Name	OJ990518_08.9C03.C40.o1.np	Method	AAT/NAP
Start	504	End	1699
GI	3056588	Score	268
Exons	504..845, 1089..1189, 1302..1536, 1588..1699		
GI Descrip.	(AC004255) T1F9.9 [Arabidopsis thaliana]		

Seq. No.	37151	Seq. ID	OJ990518_08.9C03.C40
Gene No.	76349	Strand	-
Start	282	End	1699
Name	OJ990518_08.9C03.C40.o1.tc	Method	TBLASTX:Cress
Start	607	End	1510
GI	none	Score	91
Exons	607..699, 1087..1188, 1094..1189, 1310..1438, 1445..1510		

Seq. No.	37151	Seq. ID	OJ990518_08.9C03.C40
Gene No.	76349	Strand	-
Start	282	End	1699
Name	OJ990518_08.9C03.C40.o1.tm	Method	TBLASTX:Maize
Start	1087	End	1510
GI	none	Score	58
Exons	1087..1188, 1310..1438, 1448..1510		

Seq. No.	37152	Seq. ID	OJ990518_08.9C03.C42
Gene No.	76350	Strand	+
Start	48	End	343
Name	OJ990518_08.9C03.C42.o1.gs	Method	GENSCAN
Start	48	End	343
GI	none	Score	.65
Exons	48..179, 211..343		

Seq. No.	37152	Seq. ID	OJ990518_08.9C03.C42
Gene No.	76351	Strand	-
Start	540	End	658
Name	OJ990518_08.9C03.C42.o1.gp	Method	AAT/GAP
Start	540	End	658
GI	none	Score	219
Exons	540..658		

Seq. No.	37153	Seq. ID	OJ990518_08.9C03.C43
Gene No.	76352	Strand	+
Start	1	End	887
Name	OJ990518_08.9C03.C43.o1.np	Method	AAT/NAP
Start	1	End	887
GI	4234854	Score	1056
Exons	1..887		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	37153	Seq. ID	OJ990518_08.9C03.C43
Gene No.	76352	Strand	+
Start	1	End	887
Name	OJ990518_08.9C03.C43.o1.gs	Method	GENSCAN
Start	49	End	663
GI	none	Score	94
Exons	49..663		

Seq. No.	37153	Seq. ID	OJ990518_08.9C03.C43
Gene No.	76352	Strand	+
Start	1	End	887
Name	OJ990518_08.9C03.C43.o1.tm	Method	TBLASTX:Maize
Start	229	End	537
GI	none	Score	276
Exons	229..537, 237..536		

Seq. No.	37153	Seq. ID	OJ990518_08.9C03.C43
Gene No.	76352	Strand	+
Start	1	End	887
Name	OJ990518_08.9C03.C43.o1.ts	Method	TBLASTX:Soybean
Start	229	End	666
GI	5509260	Score	350
Exons	229..666, 318..590		
GI Descrip.	-		

Seq. No.	37153	Seq. ID	OJ990518_08.9C03.C43
Gene No.	76352	Strand	+
Start	1	End	887
Name	OJ990518_08.9C03.C43.o1.tc	Method	TBLASTX:Cress
Start	316	End	576
GI	none	Score	249
Exons	316..576, 318..554		

Seq. No.	37153	Seq. ID	OJ990518_08.9C03.C43
Gene No.	76352	Strand	+
Start	1	End	887
Name	OJ990518_08.9C03.C43.o1.tw	Method	TBLASTX:Wheat
Start	357	End	887
GI	none	Score	349
Exons	357..704, 358..702, 687..887, 688..885		

Seq. No.	37153	Seq. ID	OJ990518_08.9C03.C43
Gene No.	76352	Strand	+
Start	1	End	887
Name	OJ990518_08.9C03.C43.o2.tm	Method	TBLASTX:Maize
Start	538	End	885
GI	none	Score	214
Exons	538..885		

Seq. No.	37154	Seq. ID	OJ990518_08.9C03.C44
Gene No.	76353	Strand	+
Start	548	End	922
Name	OJ990518_08.9C03.C44.o1.gp	Method	AAT/GAP
Start	548	End	922
GI	none	Score	469
Exons	548..922		

Seq. No.	37154	Seq. ID	OJ990518_08.9C03.C44
Gene No.	76354	Strand	-
Start	178	End	1187
Name	OJ990518_08.9C03.C44.o1.gs	Method	GENSCAN
Start	178	End	1187
GI	none	Score	59
Exons	178..515, 565..924, 1029..1187		

Seq. No.	37154	Seq. ID	OJ990518_08.9C03.C44
Gene No.	76354	Strand	-
Start	178	End	1187
Name	OJ990518_08.9C03.C44.o1.tw	Method	TBLASTX:Wheat
Start	530	End	815
GI	none	Score	54
Exons	530..583, 557..814, 558..590, 689..754, 702..815		

Seq. No.	37154	Seq. ID	OJ990518_08.9C03.C44
Gene No.	76354	Strand	-
Start	178	End	1187
Name	OJ990518_08.9C03.C44.o1.ts	Method	TBLASTX:Soybean
Start	554	End	806
GI	none	Score	47
Exons	554..586, 557..805, 708..806		

Seq. No.	37154	Seq. ID	OJ990518_08.9C03.C44
Gene No.	76354	Strand	-
Start	178	End	1187
Name	OJ990518_08.9C03.C44.o1.np	Method	AAT/NAP
Start	557	End	811
GI	3695408	Score	245
Exons	557..811		
GI Descrip.	(AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana]		

Seq. No.	37154	Seq. ID	OJ990518_08.9C03.C44
Gene No.	76354	Strand	-
Start	178	End	1187
Name	OJ990518_08.9C03.C44.o1.tm	Method	TBLASTX:Maize

Start	557	End	903
GI	none	Score	47
Exons	557..586, 557..589, 558..590, 656..835, 671..754, 702..815, 862..903		

Seq. No.	37155	Seq. ID	OJ990518_08.9C03.C45
Gene No.	76355	Strand	+
Start	1	End	1035
Name	OJ990518_08.9C03.C45.o1.np	Method	AAT/NAP
Start	1	End	993
GI	6069646	Score	78
Exons	1..39, 850..993		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	37155	Seq. ID	OJ990518_08.9C03.C45
Gene No.	76355	Strand	+
Start	1	End	1035
Name	OJ990518_08.9C03.C45.o1.gs	Method	GENSCAN
Start	138	End	1035
GI	none	Score	.7
Exons	138..309, 869..1035		

Seq. No.	37155	Seq. ID	OJ990518_08.9C03.C45
Gene No.	76356	Strand	-
Start	1	End	88
Name	OJ990518_08.9C03.C45.o1.gp	Method	AAT/GAP
Start	1	End	88
GI	2311841	Score	164
Exons	1..88		

Seq. No.	37156	Seq. ID	OJ990518_08.9C03.C47
Gene No.	76357	Strand	-
Start	188	End	357
Name	OJ990518_08.9C03.C47.o1.gs	Method	GENSCAN
Start	188	End	357
GI	none	Score	.6
Exons	188..357		

Seq. No.	37157	Seq. ID	OJ990518_08.9C03.C49
Gene No.	76358	Strand	-
Start	1	End	1475
Name	OJ990518_08.9C03.C49.o1.np	Method	AAT/NAP
Start	1	End	928
GI	6634762	Score	407
Exons	1..429, 809..928		
GI Descrip.	(AC009917) Contains a bZIP transcription factor PF|00170 domain. ESTs gb|R30400, gb|AA650964, gb|AI994521 come from this gene. [Arabidopsis thaliana]		

Seq. No.	37157	Seq. ID	OJ990518_08.9C03.C49
Gene No.	76358	Strand	-
Start	1	End	1475
Name	OJ990518_08.9C03.C49.o1.tm	Method	TBLASTX:Maize

Start	1	End	363
GI	none	Score	57
Exons	1..63, 106..363, 206..256		

Seq. No.	37157	Seq. ID	OJ990518_08.9C03.C49
Gene No.	76358	Strand	-
Start	1	End	1475
Name	OJ990518_08.9C03.C49.o1.ts	Method	TBLASTX:Soybean
Start	7	End	432
GI	none	Score	72
Exons	7..30, 106..357, 211..339, 373..432		

Seq. No.	37157	Seq. ID	OJ990518_08.9C03.C49
Gene No.	76358	Strand	-
Start	1	End	1475
Name	OJ990518_08.9C03.C49.o1.gs	Method	GENSCAN
Start	70	End	1475
GI	none	Score	.71
Exons	70..429, 809..878, 1408..1475		

Seq. No.	37157	Seq. ID	OJ990518_08.9C03.C49
Gene No.	76358	Strand	-
Start	1	End	1475
Name	OJ990518_08.9C03.C49.o1.tc	Method	TBLASTX:Cress
Start	151	End	432
GI	none	Score	63
Exons	151..189, 181..363, 364..432		

Seq. No.	37157	Seq. ID	OJ990518_08.9C03.C49
Gene No.	76358	Strand	-
Start	1	End	1475
Name	OJ990518_08.9C03.C49.o1.tw	Method	TBLASTX:Wheat
Start	241	End	877
GI	none	Score	118
Exons	241..447, 250..432, 809..877, 821..874		

Seq. No.	37158	Seq. ID	OJ990518_08.9C03.C50
Gene No.	76359	Strand	-
Start	1	End	281
Name	OJ990518_08.9C03.C50.o1.np	Method	AAT/NAP
Start	1	End	281
GI	1272347	Score	146
Exons	1..281		
GI Descrip.	(U51739) secreted glycoprotein 2 [Ipomoea trifida]		

Seq. No.	37158	Seq. ID	OJ990518_08.9C03.C50
Gene No.	76359	Strand	-
Start	1	End	281
Name	OJ990518_08.9C03.C50.o1.gs	Method	GENSCAN
Start	16	End	275
GI	none	Score	.66
Exons	16..275		

Seq. No.	37159	Seq. ID	OJ990518_08.9C03.C52
Gene No.	76360	Strand	+
Start	1379	End	1477
Name	OJ990518_08.9C03.C52.o1.gs	Method	GENSCAN

Start	1379	End	1477
GI	none	Score	.4
Exons	1379..1477		

Seq. No.	37160	Seq. ID	OJ990518_08.9C03.C53
Gene No.	76361	Strand	-
Start	2145	End	2651
Name	OJ990518_08.9C03.C53.o1.gp	Method	AAT/GAP
Start	2145	End	2651
GI	15201_2.R1084	Score	938
Exons	2145..2651		
GI Descrip.	'1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence'		

Seq. No.	37160	Seq. ID	OJ990518_08.9C03.C53
Gene No.	76361	Strand	-
Start	2145	End	2651
Name	OJ990518_08.9C03.C53.o1.tw	Method	TBLASTX:Wheat
Start	2278	End	2587
GI	none	Score	88
Exons	2278..2370, 2305..2562, 2438..2572, 2450..2587		

Seq. No.	37160	Seq. ID	OJ990518_08.9C03.C53
Gene No.	76361	Strand	-
Start	2145	End	2651
Name	OJ990518_08.9C03.C53.o1.tm	Method	TBLASTX:Maize
Start	2302	End	2617
GI	none	Score	68
Exons	2302..2349, 2305..2337, 2404..2583, 2414..2563, 2450..2617		

Seq. No.	37160	Seq. ID	OJ990518_08.9C03.C53
Gene No.	76361	Strand	-
Start	2145	End	2651
Name	OJ990518_08.9C03.C53.o1.np	Method	AAT/NAP
Start	2305	End	2559
GI	3695408	Score	227
Exons	2305..2559		
GI Descrip.	(AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana]		

Seq. No.	37161	Seq. ID	OJ990518_08.9C03.C54
Gene No.	76362	Strand	-
Start	414	End	764
Name	OJ990518_08.9C03.C54.o1.gs	Method	GENSCAN
Start	414	End	764
GI	none	Score	.62
Exons	414..764		

Seq. No.	37162	Seq. ID	OJ990518_08.9C03.C55
Gene No.	76363	Strand	-
Start	662	End	1538
Name	OJ990518_08.9C03.C55.o1.np	Method	AAT/NAP
Start	623	End	1538
GI	3021267	Score	344
Exons	623..981, 1024..1196, 1270..1538		

GI Descrip. (AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]

Seq. No.	37162	Seq. ID	OJ990518_08.9C03.C55
Gene No.	76363	Strand	-
Start	662	End	1538
Name	OJ990518_08.9C03.C55.o1.gs	Method	GENSCAN
Start	662	End	1493
GI	none	Score	.81
Exons	662..899, 1048..1179, 1262..1493		

Seq. No.	37162	Seq. ID	OJ990518_08.9C03.C55
Gene No.	76363	Strand	-
Start	662	End	1538
Name	OJ990518_08.9C03.C55.o1.tm	Method	TBLASTX:Maize
Start	725	End	1455
GI	none	Score	59
Exons	725..859, 774..857, 889..957, 1066..1161, 1071..1178, 1291..1455, 1292..1435		

Seq. No.	37162	Seq. ID	OJ990518_08.9C03.C55
Gene No.	76363	Strand	-
Start	662	End	1538
Name	OJ990518_08.9C03.C55.o1.tc	Method	TBLASTX:Cress
Start	740	End	1488
GI	none	Score	174
Exons	740..868, 944..958, 1074..1181, 1282..1488		

Seq. No.	37162	Seq. ID	OJ990518_08.9C03.C55
Gene No.	76363	Strand	-
Start	662	End	1538
Name	OJ990518_08.9C03.C55.o1.ts	Method	TBLASTX:Soybean
Start	767	End	1482
GI	none	Score	198
Exons	767..868, 910..957, 1083..1196, 1285..1482		

Seq. No.	37162	Seq. ID	OJ990518_08.9C03.C55
Gene No.	76363	Strand	-
Start	662	End	1538
Name	OJ990518_08.9C03.C55.o1.tw	Method	TBLASTX:Wheat
Start	1077	End	1470
GI	none	Score	82
Exons	1077..1196, 1078..1200, 1276..1470		

Seq. No.	37163	Seq. ID	OJ990518_08.9C03.C56
Gene No.	76364	Strand	+
Start	1	End	1398
Name	OJ990518_08.9C03.C56.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	6721512	Score	111
Exons	1..122, 1293..1398		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	37163	Seq. ID	OJ990518_08.9C03.C56
Gene No.	76364	Strand	+
Start	1	End	1398
Name	OJ990518_08.9C03.C56.o1.gp	Method	AAT/GAP

Start	818	End	995
GI	15870_2.R1084	Score	286
Exons	818..995		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	37164	Seq. ID	OJ990518_08.9C03.C57
Gene No.	76365	Strand	+
Start	1	End	165
Name	OJ990518_08.9C03.C57.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	LIB3432-032-P2-K1-D3	Score	314
Exons	1..165		
GI Descrip.	'4454467/gb|AAD20914| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	37164	Seq. ID	OJ990518_08.9C03.C57
Gene No.	76366	Strand	-
Start	578	End	866
Name	OJ990518_08.9C03.C57.o1.gs	Method	GENSCAN
Start	578	End	866
GI	none	Score	.71
Exons	578..661, 801..866		

Seq. No.	37165	Seq. ID	OJ990518_08.9C03.C58
Gene No.	76367	Strand	-
Start	1	End	694
Name	OJ990518_08.9C03.C58.o1.np	Method	AAT/NAP
Start	1	End	694
GI	3056594	Score	97
Exons	1..20, 115..216, 244..694		
GI Descrip.	(AC004255) T1F9.15 [Arabidopsis thaliana]		

Seq. No.	37165	Seq. ID	OJ990518_08.9C03.C58
Gene No.	76367	Strand	-
Start	1	End	694
Name	OJ990518_08.9C03.C58.o1.gs	Method	GENSCAN
Start	78	End	616
GI	none	Score	.75
Exons	78..88, 115..616		

Seq. No.	37165	Seq. ID	OJ990518_08.9C03.C58
Gene No.	76367	Strand	-
Start	1	End	694
Name	OJ990518_08.9C03.C58.o1.tm	Method	TBLASTX:Maize
Start	157	End	379
GI	none	Score	79
Exons	157..225, 167..247, 168..224, 176..226, 222..368, 222..347, 236..379, 302..373		

Seq. No.	37166	Seq. ID	OJ990518_08.9C03.C59
Gene No.	76368	Strand	-
Start	1	End	419
Name	OJ990518_08.9C03.C59.o1.np	Method	AAT/NAP
Start	1	End	419
GI	2213607	Score	83
Exons	1..117, 334..419		

GI Descrip. (AC000103) F21J9.1 [Arabidopsis thaliana]

Seq. No.	37166	Seq. ID	OJ990518_08.9C03.C59
Gene No.	76369	Strand	-
Start	334	End	458
Name	OJ990518_08.9C03.C59.o1.gs	Method	GENSCAN
Start	334	End	458
GI	none	Score	.93
Exons	334..458		

Seq. No.	37167	Seq. ID	OJ990518_08.9C03.C60
Gene No.	76370	Strand	-
Start	230	End	1162
Name	OJ990518_08.9C03.C60.o1.gs	Method	GENSCAN
Start	230	End	1162
GI	none	Score	.8
Exons	230..411, 887..964, 1091..1162		

Seq. No.	37168	Seq. ID	OJ990518_08.9C03.C61
Gene No.	76371	Strand	+
Start	1	End	780
Name	OJ990518_08.9C03.C61.o1.np	Method	AAT/NAP
Start	1	End	780
GI	5524769	Score	119
Exons	1..225, 366..497, 627..780		
GI Descrip.	(AJ243822) Mre11 protein [Arabidopsis thaliana]		

Seq. No.	37168	Seq. ID	OJ990518_08.9C03.C61
Gene No.	76371	Strand	+
Start	1	End	780
Name	OJ990518_08.9C03.C61.o1.gs	Method	GENSCAN
Start	62	End	687
GI	none	Score	.4
Exons	62..225, 407..497, 627..687		

Seq. No.	37169	Seq. ID	OJ990518_08.9C03.C62
Gene No.	76372	Strand	+
Start	2262	End	2494
Name	OJ990518_08.9C03.C62.o1.np	Method	AAT/NAP
Start	2262	End	2494
GI	4454467	Score	178
Exons	2262..2494		
GI Descrip.	(AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	37169	Seq. ID	OJ990518_08.9C03.C62
Gene No.	76372	Strand	+
Start	2262	End	2494
Name	OJ990518_08.9C03.C62.o1.gp	Method	AAT/GAP
Start	2335	End	2494
GI	428275	Score	320
Exons	2335..2494		
GI Descrip.	4454467/gb|AAD20914| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	37169	Seq. ID	OJ990518_08.9C03.C62
Gene No.	76373	Strand	-
Start	1853	End	2441

Name	OJ990518_08.9C03.C62.o1.gs	Method	GENSCAN
Start	1853	End	2441
GI	none	Score	.78
Exons	1853..2085, 2343..2441		

Seq. No.	37170	Seq. ID	OJ990518_08.9C03.C63
Gene No.	76374	Strand	-
Start	993	End	1350
Name	OJ990518_08.9C03.C63.o1.tm	Method	TBLASTX:Maize
Start	991	End	1280
GI	none	Score	84
Exons	991..1074, 1014..1085, 1015..1074, 1180..1275, 1182..1280, 1186..1275		

Seq. No.	37170	Seq. ID	OJ990518_08.9C03.C63
Gene No.	76374	Strand	-
Start	993	End	1350
Name	OJ990518_08.9C03.C63.o1.np	Method	AAT/NAP
Start	993	End	1350
GI	1001257	Score	123
Exons	993..1073, 1182..1350		
GI Descrip.	(D64003) hypothetical protein [Synechocystis sp.]		

Seq. No.	37170	Seq. ID	OJ990518_08.9C03.C63
Gene No.	76374	Strand	-
Start	993	End	1350
Name	OJ990518_08.9C03.C63.o1.ts	Method	TBLASTX:Soybean
Start	1005	End	1280
GI	none	Score	107
Exons	1005..1076, 1176..1280, 1201..1275		

Seq. No.	37171	Seq. ID	OJ990518_08.9C03.C64
Gene No.	76375	Strand	+
Start	208	End	1451
Name	OJ990518_08.9C03.C64.o1.gs	Method	GENSCAN
Start	208	End	1451
GI	none	Score	.75
Exons	208..336, 987..1038, 1343..1451		

Seq. No.	37172	Seq. ID	OJ990518_08.9C03.C66
Gene No.	76376	Strand	-
Start	1	End	1097
Name	OJ990518_08.9C03.C66.o1.np	Method	AAT/NAP
Start	1	End	1053
GI	3551956	Score	628
Exons	1..23, 126..209, 297..352, 466..573, 684..865, 946..1053		
GI Descrip.	(AF082031) senescence-associated protein 6 [Hemerocallis hybrid cultivar]		

Seq. No.	37172	Seq. ID	OJ990518_08.9C03.C66
Gene No.	76376	Strand	-
Start	1	End	1097
Name	OJ990518_08.9C03.C66.o1.tm	Method	TBLASTX:Maize
Start	123	End	990
GI	none	Score	73
Exons	123..212, 124..213, 297..350, 304..351, 434..586, 712..756, 748..855, 946..990		

Seq. No.	37172	Seq. ID	OJ990518_08.9C03.C66
Gene No.	76376	Strand	-
Start	1	End	1097
Name	OJ990518_08.9C03.C66.o2.ts	Method	TBLASTX:Soybean
Start	123	End	553
GI	none	Score	60
Exons	123..212, 130..210, 297..350,	307..351, 470..553	

Seq. No.	37172	Seq. ID	OJ990518_08.9C03.C66
Gene No.	76376	Strand	-
Start	1	End	1097
Name	OJ990518_08.9C03.C66.o1.gs	Method	GENSCAN
Start	297	End	1097
GI	none	Score	.9
Exons	297..352, 466..573, 684..865,	975..1097	

Seq. No.	37172	Seq. ID	OJ990518_08.9C03.C66
Gene No.	76376	Strand	-
Start	1	End	1097
Name	OJ990518_08.9C03.C66.o1.tc	Method	TBLASTX:Cress
Start	506	End	990
GI	none	Score	56
Exons	506..601, 510..578, 685..843,	700..783, 701..844, 946..990	

Seq. No.	37172	Seq. ID	OJ990518_08.9C03.C66
Gene No.	76376	Strand	-
Start	1	End	1097
Name	OJ990518_08.9C03.C66.o1.ts	Method	TBLASTX:Soybean
Start	683	End	990
GI	none	Score	112
Exons	683..781, 685..846, 946..990		

Seq. No.	37173	Seq. ID	OJ990518_08.9C03.C67
Gene No.	76377	Strand	+
Start	252	End	2516
Name	OJ990518_08.9C03.C67.o1.gs	Method	GENSCAN
Start	252	End	2516
GI	none	Score	.42
Exons	252..461, 1345..1874, 1889..2516		

Seq. No.	37173	Seq. ID	OJ990518_08.9C03.C67
Gene No.	76377	Strand	+
Start	252	End	2516
Name	OJ990518_08.9C03.C67.o1.tm	Method	TBLASTX:Maize
Start	297	End	1619
GI	none	Score	161
Exons	297..488, 299..457, 1342..1572, 1342..1581, 1344..1619, 1382..1618		

Seq. No.	37174	Seq. ID	OJ990518_08.9C03.C68
Gene No.	76378	Strand	+
Start	1	End	3906
Name	OJ990518_08.9C03.C68.o1.np	Method	AAT/NAP
Start	1	End	2445
GI	5901942	Score	433
Exons	1..58, 843..1282, 1322..1609,	1684..1872, 1988..2098, 2294..2445	

GI Descrip. E1B-55kDa-associated protein 5 gi|3319956|emb|CAA07548| (AJ007509) E1B-55kDa-associated protein [Homo sapiens]

Seq. No.	37174	Seq. ID	OJ990518_08.9C03.C68
Gene No.	76378	Strand	+
Start	1	End	3906
Name	OJ990518_08.9C03.C68.o1.gs	Method	GENSCAN
Start	626	End	3906
GI	none	Score	.79
Exons	626..758, 783..1609, 1684..1872, 1988..2026, 2335..2445, 2606..2641, 2745..2875, 2982..3229, 3869..3906		

Seq. No.	37174	Seq. ID	OJ990518_08.9C03.C68
Gene No.	76378	Strand	+
Start	1	End	3906
Name	OJ990518_08.9C03.C68.o1.tm	Method	TBLASTX:Maize
Start	2824	End	3159
GI	none	Score	102
Exons	2824..2982, 2827..2949, 2848..2994, 2848..3030, 2856..3017, 2864..3031, 3037..3159, 3037..3156, 3047..3157		

Seq. No.	37174	Seq. ID	OJ990518_08.9C03.C68
Gene No.	76378	Strand	+
Start	1	End	3906
Name	OJ990518_08.9C03.C68.o1.gp	Method	AAT/GAP
Start	2833	End	3731
GI	LIB3432-032-P2-K1-D3	Score	1098
Exons	2833..3229, 3542..3731		
GI Descrip.	'4454467/gb|AAD20914| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	37175	Seq. ID	OJ990518_08.9C03.C69
Gene No.	76379	Strand	-
Start	350	End	3863
Name	OJ990518_08.9C03.C69.o1.gs	Method	GENSCAN
Start	350	End	3791
GI	none	Score	.78
Exons	350..585, 816..893, 1084..1197, 1751..1836, 1973..2036, 2113..2175, 2254..2331, 2509..2580, 2642..2704, 2973..3075, 3208..3299, 3419..3487, 3559..3678, 3777..3791		

Seq. No.	37175	Seq. ID	OJ990518_08.9C03.C69
Gene No.	76379	Strand	-
Start	350	End	3863
Name	OJ990518_08.9C03.C69.o1.np	Method	AAT/NAP
Start	364	End	3863
GI	5524769	Score	1399
Exons	364..542, 642..741, 816..893, 1084..1197, 1751..1833, 1976..2036, 2113..2175, 2254..2331, 2509..2580, 2642..2704, 2785..2892, 2973..3075, 3208..3299, 3419..3487, 3559..3678, 3772..3863		
GI Descrip.	(AJ243822) Mre11 protein [Arabidopsis thaliana]		

Seq. No.	37175	Seq. ID	OJ990518_08.9C03.C69
Gene No.	76379	Strand	-
Start	350	End	3863
Name	OJ990518_08.9C03.C69.o1.tc	Method	TBLASTX:Cress

Start	2857	End	3615
GI	none	Score	52
Exons	2857..2895, 2857..2892, 2946..3077, 2952..3089, 2971..3081, 3207..3293, 3207..3308, 3208..3309, 3208..3309, 3419..3499, 3420..3488, 3559..3615, 3559..3606		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76380	Strand	+
Start	210	End	2959
Name	OJ990518_08.9C03.C70.o1.gp	Method	AAT/GAP
Start	210	End	2959
GI	15418_1.R1084	Score	2104
Exons	210..886, 2556..2959		
GI Descrip.	'728880/sp|P41227|ARDH_HUMAN 5.0e-54 N-TERMINAL ACETYLTRANSFERASE COMPLEX ARD1 SUBUNIT HOMOLOG >gi_517485_emb_CAA54691_ (X77588) ARD1 N-acetyl transferase homologue [Homo sapiens] >gi_1302661 (U52112) ARD1 N-acetyl transferase related protein [Homo sapiens]'		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76380	Strand	+
Start	210	End	2959
Name	OJ990518_08.9C03.C70.o1.gs	Method	GENSCAN
Start	287	End	883
GI	none	Score	1
Exons	287..883		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76380	Strand	+
Start	210	End	2959
Name	OJ990518_08.9C03.C70.o1.np	Method	AAT/NAP
Start	290	End	793
GI	6651059	Score	514
Exons	290..793		
GI Descrip.	(AF133093) ARD-1 N-acetyltransferase homologue [Mus musculus]		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76381	Strand	+
Start	4648	End	4723
Name	OJ990518_08.9C03.C70.o3.gp	Method	AAT/GAP
Start	4648	End	4723
GI	none	Score	126
Exons	4648..4723		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76382	Strand	-
Start	1752	End	4152
Name	OJ990518_08.9C03.C70.o1.tc	Method	TBLASTX:Cress
Start	286	End	754
GI	none	Score	328
Exons	286..405, 287..487, 287..487, 472..669, 473..754		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76382	Strand	-
Start	1752	End	4152
Name	OJ990518_08.9C03.C70.o1.tm	Method	TBLASTX:Maize
Start	286	End	867

GI	none	Score	803
Exons	286..411, 287..763, 287..505, 460..765, 752..817, 799..867		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76382	Strand	-
Start	1752	End	4152
Name	OJ990518_08.9C03.C70.o1.ts	Method	TBLASTX:Soybean
Start	286	End	754
GI	none	Score	313
Exons	286..411, 287..487, 287..481, 472..669, 473..754		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76382	Strand	-
Start	1752	End	4152
Name	OJ990518_08.9C03.C70.o2.gs	Method	GENSCAN
Start	1752	End	4098
GI	none	Score	.59
Exons	1752..1842, 2301..2432, 2617..2648, 3420..3539, 3683..3854, 3953..4098		

Seq. No.	37176	Seq. ID	OJ990518_08.9C03.C70
Gene No.	76382	Strand	-
Start	1752	End	4152
Name	OJ990518_08.9C03.C70.o2.gp	Method	AAT/GAP
Start	3664	End	4152
GI	none	Score	644
Exons	3664..3909, 3996..4152		

Seq. No.	37177	Seq. ID	OJ990518_08.9C03.C71
Gene No.	76383	Strand	+
Start	543	End	1080
Name	OJ990518_08.9C03.C71.o1.gp	Method	AAT/GAP
Start	543	End	974
GI	15201_4.R1084	Score	782
Exons	543..974		
GI Descrip.	'3695408 3.0e-12 (AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] >gi_4538956_emb_CAB39780.1_ (AL049488) probable wound-induced protein [Arabidopsis thaliana]'		

Seq. No.	37177	Seq. ID	OJ990518_08.9C03.C71
Gene No.	76383	Strand	+
Start	543	End	1080
Name	OJ990518_08.9C03.C71.o1.tm	Method	TBLASTX:Maize
Start	663	End	1080
GI	none	Score	230
Exons	663..842, 677..811, 897..941, 906..941, 1053..1079, 1063..1080		

Seq. No.	37177	Seq. ID	OJ990518_08.9C03.C71
Gene No.	76383	Strand	+
Start	543	End	1080
Name	OJ990518_08.9C03.C71.o1.tw	Method	TBLASTX:Wheat
Start	669	End	944
GI	none	Score	206
Exons	669..800, 677..802, 834..941, 894..944		

Seq. No.	37177	Seq. ID	OJ990518_08.9C03.C71

Gene No.	76383	Strand	+
Start	543	End	1080
Name	OJ990518_08.9C03.C71.o1.gs	Method	GENSCAN
Start	678	End	941
GI	none	Score	.5
Exons	678..941		

Seq. No.	37177	Seq. ID	OJ990518_08.9C03.C71
Gene No.	76383	Strand	+
Start	543	End	1080
Name	OJ990518_08.9C03.C71.o1.np	Method	AAT/NAP
Start	681	End	938
GI	3695408	Score	217
Exons	681..938		
GI Descrip.	(AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana]		

Seq. No.	37178	Seq. ID	OJ990518_08.9C03.C72
Gene No.	76384	Strand	-
Start	1	End	716
Name	OJ990518_08.9C03.C72.o1.np	Method	AAT/NAP
Start	1	End	716
GI	6498441	Score	725
Exons	1..716		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	37178	Seq. ID	OJ990518_08.9C03.C72
Gene No.	76384	Strand	-
Start	1	End	716
Name	OJ990518_08.9C03.C72.o1.gs	Method	GENSCAN
Start	97	End	365
GI	none	Score	.41
Exons	97..365		

Seq. No.	37178	Seq. ID	OJ990518_08.9C03.C72
Gene No.	76384	Strand	-
Start	1	End	716
Name	OJ990518_08.9C03.C72.o1.tw	Method	TBLASTX:Wheat
Start	145	End	526
GI	none	Score	182
Exons	145..525, 182..415, 280..525, 470..526		

Seq. No.	37178	Seq. ID	OJ990518_08.9C03.C72
Gene No.	76384	Strand	-
Start	1	End	716
Name	OJ990518_08.9C03.C72.o1.tm	Method	TBLASTX:Maize
Start	352	End	654
GI	none	Score	168
Exons	352..654, 353..640		

Seq. No.	37179	Seq. ID	OJ990518_08.9C03.C73
Gene No.	76385	Strand	-
Start	1	End	792

Name	OJ990518_08.9C03.C73.o1.np	Method	AAT/NAP
Start	1	End	792
GI	5441880	Score	335
Exons	1..114, 230..361, 452..475, 512..585, 716..792		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	37179	Seq. ID	OJ990518_08.9C03.C73
Gene No.	76385	Strand	-
Start	1	End	792
Name	OJ990518_08.9C03.C73.o1.gs	Method	GENSCAN
Start	39	End	737
GI	none	Score	.64
Exons	39..114, 119..166, 230..361, 452..489, 555..737		

Seq. No.	37180	Seq. ID	OJ990518_08.9C03.C74
Gene No.	76386	Strand	+
Start	165	End	266
Name	OJ990518_08.9C03.C74.o1.gp	Method	AAT/GAP
Start	165	End	266
GI	none	Score	178
Exons	165..266		

Seq. No.	37181	Seq. ID	OJ990518_08.9C03.C75
Gene No.	76387	Strand	+
Start	293	End	416
Name	OJ990518_08.9C03.C75.o1.gs	Method	GENSCAN
Start	293	End	416
GI	none	Score	.71
Exons	293..416		

Seq. No.	37182	Seq. ID	OJ990518_08.9C03.C76
Gene No.	76388	Strand	+
Start	700	End	1161
Name	OJ990518_08.9C03.C76.o1.gs	Method	GENSCAN
Start	700	End	1161
GI	none	Score	.6
Exons	700..829, 1116..1161		

Seq. No.	37183	Seq. ID	OJ990518_08.9C03.C77
Gene No.	76389	Strand	-
Start	211	End	1868
Name	OJ990518_08.9C03.C77.o1.np	Method	AAT/NAP
Start	176	End	1868
GI	3868810	Score	552
Exons	176..525, 589..739, 849..1071, 1178..1409, 1626..1750, 1812..1868		
GI Descrip.	(AB013720) SRK23Bol [Brassica oleracea]		

Seq. No.	37183	Seq. ID	OJ990518_08.9C03.C77
Gene No.	76389	Strand	-
Start	211	End	1868
Name	OJ990518_08.9C03.C77.o2.tm	Method	TBLASTX:Maize
Start	204	End	739
GI	none	Score	69
Exons	204..266, 295..429, 325..438, 469..537, 622..738, 623..739		

Seq. No.	37183	Seq. ID	OJ990518_08.9C03.C77
Gene No.	76389	Strand	-
Start	211	End	1868
Name	OJ990518_08.9C03.C77.o1.gs	Method	GENSCAN
Start	211	End	1750
GI	none	Score	.77
Exons	211..525, 607..739, 849..1089, 1193..1409, 1626..1750		

Seq. No.	37183	Seq. ID	OJ990518_08.9C03.C77
Gene No.	76389	Strand	-
Start	211	End	1868
Name	OJ990518_08.9C03.C77.o1.ts	Method	TBLASTX:Soybean
Start	634	End	1691
GI	none	Score	105
Exons	634..738, 884..1066, 885..1073, 1158..1352, 1368..1409, 1626..1691		

Seq. No.	37183	Seq. ID	OJ990518_08.9C03.C77
Gene No.	76389	Strand	-
Start	211	End	1868
Name	OJ990518_08.9C03.C77.o1.tc	Method	TBLASTX:Cress
Start	719	End	1352
GI	none	Score	36
Exons	719..739, 858..1079, 878..1087, 1194..1352		

Seq. No.	37183	Seq. ID	OJ990518_08.9C03.C77
Gene No.	76389	Strand	-
Start	211	End	1868
Name	OJ990518_08.9C03.C77.o1.tm	Method	TBLASTX:Maize
Start	896	End	1700
GI	none	Score	93
Exons	896..1075, 900..1034, 1182..1361, 1617..1700		

Seq. No.	37183	Seq. ID	OJ990518_08.9C03.C77
Gene No.	76389	Strand	-
Start	211	End	1868
Name	OJ990518_08.9C03.C77.o1.tw	Method	TBLASTX:Wheat
Start	897	End	1322
GI	none	Score	102
Exons	897..1067, 899..1072, 1191..1322		

Seq. No.	37184	Seq. ID	OJ990518_08.9C03.C78
Gene No.	76390	Strand	-
Start	787	End	1149
Name	OJ990518_08.9C03.C78.o1.np	Method	AAT/NAP
Start	421	End	1149
GI	5852084	Score	67
Exons	421..504, 1095..1149		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	37184	Seq. ID	OJ990518_08.9C03.C78
Gene No.	76390	Strand	-
Start	787	End	1149
Name	OJ990518_08.9C03.C78.o1.gs	Method	GENSCAN
Start	787	End	960
GI	none	Score	.92

Exons	787..960		
Seq. No.	37185	Seq. ID	OJ990518_08.9C03.C79
Gene No.	76391	Strand	+
Start	50	End	171
Name	OJ990518_08.9C03.C79.o1.gs	Method	GENSCAN
Start	50	End	171
GI	none	Score	.93
Exons	50..171		
Seq. No.	37186	Seq. ID	OJ990518_08.9C03.C80
Gene No.	76392	Strand	+
Start	1	End	753
Name	OJ990518_08.9C03.C80.o1.np	Method	AAT/NAP
Start	1	End	753
GI	4454484	Score	212
Exons	1..79, 165..217, 446..528, 613..753		
GI Descrip.	(AC006234) putative diacylglycerol kinase [Arabidopsis thaliana]		
Seq. No.	37186	Seq. ID	OJ990518_08.9C03.C80
Gene No.	76392	Strand	+
Start	1	End	753
Name	OJ990518_08.9C03.C80.o1.tc	Method	TBLASTX:Cress
Start	166	End	683
GI	none	Score	91
Exons	166..219, 168..221, 444..518, 610..681, 612..683	444..548, 445..549, 609..671,	
Seq. No.	37186	Seq. ID	OJ990518_08.9C03.C80
Gene No.	76392	Strand	+
Start	1	End	753
Name	OJ990518_08.9C03.C80.o1.tm	Method	TBLASTX:Maize
Start	167	End	698
GI	none	Score	72
Exons	167..217, 168..218, 169..219, 610..681, 615..698, 615..683	437..529, 444..527, 445..549,	
Seq. No.	37186	Seq. ID	OJ990518_08.9C03.C80
Gene No.	76392	Strand	+
Start	1	End	753
Name	OJ990518_08.9C03.C80.o1.tw	Method	TBLASTX:Wheat
Start	178	End	683
GI	none	Score	84
Exons	178..219, 178..219, 179..220, 449..529, 605..664, 606..665,	180..221, 444..527, 445..549, 610..681, 615..683	
Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82
Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o1.gp	Method	AAT/GAP
Start	287	End	1760
GI	35475_1.R1084	Score	1125
Exons	287..513, 629..751, 833..961,	1381..1466, 1675..1760	
GI Descrip.	'4454467/gb|AAD20914| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]'		
Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82

Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o1.gs	Method	GENSCAN
Start	291	End	961
GI	none	Score	.74
Exons	291..513, 629..751, 833..961		

Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82
Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o1.np	Method	AAT/NAP
Start	316	End	1816
GI	4454484	Score	499
Exons	316..513, 629..751, 833..961, 1381..1466, 1693..1816		
GI Descrip.	(AC006234) putative diacylglycerol kinase [Arabidopsis thaliana]		

Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82
Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o1.tw	Method	TBLASTX:Wheat
Start	439	End	963
GI	none	Score	87
Exons	439..525, 439..522, 441..548, 624..752, 625..711, 626..757, 832..960, 833..961, 834..962, 835..963		

Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82
Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o1.tc	Method	TBLASTX:Cress
Start	626	End	980
GI	none	Score	86
Exons	626..706, 817..912, 823..966, 824..970, 900..980		

Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82
Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o1.ts	Method	TBLASTX:Soybean
Start	671	End	1437
GI	none	Score	75
Exons	671..757, 832..960, 833..961, 835..963, 1381..1437		

Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82
Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o1.tm	Method	TBLASTX:Maize
Start	681	End	1449
GI	none	Score	63
Exons	681..752, 681..752, 682..753, 832..960, 833..961, 835..963, 1380..1448, 1381..1449		

Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82
Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o2.tm	Method	TBLASTX:Maize
Start	1639	End	1879
GI	none	Score	222
Exons	1639..1800, 1646..1879, 1673..1828		

Seq. No.	37187	Seq. ID	OJ990518_08.9C03.C82
Gene No.	76393	Strand	+
Start	287	End	1879
Name	OJ990518_08.9C03.C82.o2.ts	Method	TBLASTX:Soybean
Start	1672	End	1798
GI	none	Score	184
Exons	1672..1794, 1673..1798, 1676..1798		

Seq. No.	37188	Seq. ID	OJ990518_08.9C03.C83
Gene No.	76394	Strand	+
Start	150	End	377
Name	OJ990518_08.9C03.C83.o1.gs	Method	GENSCAN
Start	150	End	377
GI	none	Score	.9
Exons	150..377		

Seq. No.	37188	Seq. ID	OJ990518_08.9C03.C83
Gene No.	76395	Strand	-
Start	1	End	458
Name	OJ990518_08.9C03.C83.o1.np	Method	AAT/NAP
Start	1	End	458
GI	4454467	Score	300
Exons	1..458		
GI Descrip.	(AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	37188	Seq. ID	OJ990518_08.9C03.C83
Gene No.	76395	Strand	-
Start	1	End	458
Name	OJ990518_08.9C03.C83.o1.gp	Method	AAT/GAP
Start	64	End	385
GI	428275	Score	610
Exons	64..385		
GI Descrip.	4454467/gb|AAD20914| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	37188	Seq. ID	OJ990518_08.9C03.C83
Gene No.	76395	Strand	-
Start	1	End	458
Name	OJ990518_08.9C03.C83.o1.tm	Method	TBLASTX:Maize
Start	66	End	392
GI	none	Score	82
Exons	66..392, 285..389		

Seq. No.	37188	Seq. ID	OJ990518_08.9C03.C83
Gene No.	76395	Strand	-
Start	1	End	458
Name	OJ990518_08.9C03.C83.o1.ts	Method	TBLASTX:Soybean
Start	147	End	393
GI	none	Score	77
Exons	147..392, 169..267, 328..393		

Seq. No.	37189	Seq. ID	OJ990518_08.9C03.C84
Gene No.	76396	Strand	-
Start	1	End	716
Name	OJ990518_08.9C03.C84.o1.np	Method	AAT/NAP
Start	1	End	716

GI	5524769	Score	416
Exons	1..156, 350..511, 649..716		
GI Descrip.	(AJ243822) Mre11 protein [Arabidopsis thaliana]		

Seq. No.	37189	Seq. ID	OJ990518_08.9C03.C84
Gene No.	76396	Strand	-
Start	1	End	716
Name	OJ990518_08.9C03.C84.o1.ts	Method	TBLASTX:Soybean
Start	350	End	714
GI	none	Score	194
Exons	350..514, 351..512, 646..714		

Seq. No.	37190	Seq. ID	OJ990518_08.9C03.C85
Gene No.	76397	Strand	+
Start	9	End	263
Name	OJ990518_08.9C03.C85.o1.np	Method	AAT/NAP
Start	9	End	263
GI	3695408	Score	229
Exons	9..263		
GI Descrip.	(AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana]		

Seq. No.	37190	Seq. ID	OJ990518_08.9C03.C85
Gene No.	76398	Strand	-
Start	970	End	1164
Name	OJ990518_08.9C03.C85.o1.tm	Method	TBLASTX:Maize
Start	2	End	267
GI	none	Score	154
Exons	2..118, 5..154, 6..164, 231..266, 234..266, 235..267		

Seq. No.	37190	Seq. ID	OJ990518_08.9C03.C85
Gene No.	76398	Strand	-
Start	970	End	1164
Name	OJ990518_08.9C03.C85.o1.tw	Method	TBLASTX:Wheat
Start	5	End	281
GI	none	Score	250
Exons	5..130, 6..266, 66..131, 221..253, 237..281		

Seq. No.	37190	Seq. ID	OJ990518_08.9C03.C85
Gene No.	76398	Strand	-
Start	970	End	1164
Name	OJ990518_08.9C03.C85.o1.ts	Method	TBLASTX:Soybean
Start	14	End	263
GI	none	Score	182
Exons	14..136, 15..263, 234..263		

Seq. No.	37190	Seq. ID	OJ990518_08.9C03.C85
Gene No.	76398	Strand	-
Start	970	End	1164
Name	OJ990518_08.9C03.C85.o2.gp	Method	AAT/GAP
Start	970	End	1164
GI	3106943	Score	333
Exons	970..1164		
GI Descrip.	1019378/dbj|D17785|RICNH4621 1.0e-104 Rice DNA for U3 small nuclear RNA, partial sequence		

Seq. No.	37191	Seq. ID	OJ990518_08.9C03.C86
Gene No.	76399	Strand	-
Start	477	End	961
Name	OJ990518_08.9C03.C86.o1.gs	Method	GENSCAN
Start	477	End	961
GI	none	Score	.49
Exons	477..690, 811..961		

Seq. No.	37192	Seq. ID	OJ990518_08.9C03.C87
Gene No.	76400	Strand	+
Start	1	End	1775
Name	OJ990518_08.9C03.C87.o1.np	Method	AAT/NAP
Start	1	End	1775
GI	4522003	Score	264
Exons	1..65, 1010..1079, 1203..1443, 1593..1775		
GI Descrip.	(AC007069) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	37192	Seq. ID	OJ990518_08.9C03.C87
Gene No.	76400	Strand	+
Start	1	End	1775
Name	OJ990518_08.9C03.C87.o1.gs	Method	GENSCAN
Start	900	End	1433
GI	none	Score	.51
Exons	900..1079, 1203..1433		

Seq. No.	37192	Seq. ID	OJ990518_08.9C03.C87
Gene No.	76400	Strand	+
Start	1	End	1775
Name	OJ990518_08.9C03.C87.o1.tc	Method	TBLASTX:Cress
Start	993	End	1714
GI	none	Score	85
Exons	993..1079, 1197..1418, 1595..1663, 1670..1714		

Seq. No.	37192	Seq. ID	OJ990518_08.9C03.C87
Gene No.	76400	Strand	+
Start	1	End	1775
Name	OJ990518_08.9C03.C87.o1.tm	Method	TBLASTX:Maize
Start	993	End	1696
GI	none	Score	92
Exons	993..1079, 1197..1418, 1197..1418, 1595..1663, 1670..1696		

Seq. No.	37192	Seq. ID	OJ990518_08.9C03.C87
Gene No.	76400	Strand	+
Start	1	End	1775
Name	OJ990518_08.9C03.C87.o1.ts	Method	TBLASTX:Soybean
Start	993	End	1714
GI	none	Score	78
Exons	993..1079, 1197..1418, 1595..1663, 1670..1714		

Seq. No.	37193	Seq. ID	OJ990518_08.9C03.C88
Gene No.	76401	Strand	+
Start	268	End	441
Name	OJ990518_08.9C03.C88.o1.gs	Method	GENSCAN
Start	268	End	441
GI	none	Score	.61

Exons	268..441		
Seq. No.	37193	Seq. ID	OJ990518_08.9C03.C88
Gene No.	76402	Strand	-
Start	1413	End	2536
Name	OJ990518_08.9C03.C88.o2.gs	Method	GENSCAN
Start	1413	End	2391
GI	none	Score	.75
Exons	1413..1537, 1624..1697, 1803..1867, 1972..2067, 2341..2391		
Seq. No.	37193	Seq. ID	OJ990518_08.9C03.C88
Gene No.	76402	Strand	-
Start	1413	End	2536
Name	OJ990518_08.9C03.C88.o1.np	Method	AAT/NAP
Start	1416	End	2536
GI	3551956	Score	547
Exons	1416..1537, 1624..1697, 1803..1867, 1972..2067, 2170..2253, 2341..2536		
GI Descrip.	(AF082031) senescence-associated protein 6 [Hemerocallis hybrid cultivar]		
Seq. No.	37193	Seq. ID	OJ990518_08.9C03.C88
Gene No.	76402	Strand	-
Start	1413	End	2536
Name	OJ990518_08.9C03.C88.o1.tm	Method	TBLASTX:Maize
Start	1431	End	2395
GI	none	Score	63
Exons	1431..1538, 1604..1702, 1823..1876, 1907..2071, 1975..2067, 2167..2256, 2168..2257, 2341..2394, 2348..2395		
Seq. No.	37193	Seq. ID	OJ990518_08.9C03.C88
Gene No.	76402	Strand	-
Start	1413	End	2536
Name	OJ990518_08.9C03.C88.o1.ts	Method	TBLASTX:Soybean
Start	1494	End	2265
GI	none	Score	37
Exons	1494..1538, 1498..1539, 1604..1696, 1638..1700, 1823..1861, 1969..2067, 2167..2265		
Seq. No.	37194	Seq. ID	OJ990518_08.9C03.C89
Gene No.	76403	Strand	+
Start	1	End	1305
Name	OJ990518_08.9C03.C89.o1.np	Method	AAT/NAP
Start	1	End	1305
GI	2570203	Score	589
Exons	1..205, 301..414, 499..648, 756..833, 902..1123, 1219..1305		
GI Descrip.	(U59235) unknown [Synechococcus PCC7942]		
Seq. No.	37194	Seq. ID	OJ990518_08.9C03.C89
Gene No.	76403	Strand	+
Start	1	End	1305
Name	OJ990518_08.9C03.C89.o1.ts	Method	TBLASTX:Soybean
Start	298	End	600
GI	none	Score	69
Exons	298..411, 299..409, 300..416, 301..417, 479..598, 480..599, 543..599, 544..600		

Seq. No.	37194	Seq. ID	OJ990518_08.9C03.C89
Gene No.	76403	Strand	+
Start	1	End	1305
Name	OJ990518_08.9C03.C89.o1.gs	Method	GENSCAN
Start	368	End	1305
GI	none	Score	.63
Exons	368..469, 756..833, 902..1123, 1219..1305		

Seq. No.	37194	Seq. ID	OJ990518_08.9C03.C89
Gene No.	76403	Strand	+
Start	1	End	1305
Name	OJ990518_08.9C03.C89.o1.tm	Method	TBLASTX:Maize
Start	379	End	834
GI	none	Score	58
Exons	379..417, 379..414, 381..416, 476..535, 477..533, 532..627, 544..633, 546..674, 750..833, 754..834, 755..832		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76404	Strand	-
Start	971	End	2010
Name	OJ990518_08.9C03.C90.o1.gp	Method	AAT/GAP
Start	658	End	1078
GI	LIB3432-059-P1-K1-D4	Score	726
Exons	658..1078		
GI Descrip.	'4454467/gb|AAD20914| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76404	Strand	-
Start	971	End	2010
Name	OJ990518_08.9C03.C90.o1.gs	Method	GENSCAN
Start	971	End	1975
GI	none	Score	.97
Exons	971..1975		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76404	Strand	-
Start	971	End	2010
Name	OJ990518_08.9C03.C90.o1.np	Method	AAT/NAP
Start	1029	End	2010
GI	4454467	Score	1312
Exons	1029..2010		
GI Descrip.	(AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76405	Strand	-
Start	1942	End	2010
Name	OJ990518_08.9C03.C90.o1.tm	Method	TBLASTX:Maize
Start	971	End	1933
GI	none	Score	63
Exons	971..1093, 983..1126, 1130..1591, 1134..1580, 1568..1933, 1607..1798, 1632..1892		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76405	Strand	-
Start	1942	End	2010
Name	OJ990518_08.9C03.C90.o2.tw	Method	TBLASTX:Wheat

Start	983	End	1186
GI	none	Score	61
Exons	983..1108, 995..1093, 1008..1109, 1130..1186, 1134..1169		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76405	Strand	-
Start	1942	End	2010
Name	OJ990518_08.9C03.C90.o1.ts	Method	TBLASTX:Soybean
Start	1046	End	2005
GI	none	Score	72
Exons	1046..1096, 1046..1126, 1128..1589, 1130..1591, 1395..1592, 1568..1909, 1619..1804, 1641..1892, 1937..2005		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76405	Strand	-
Start	1942	End	2010
Name	OJ990518_08.9C03.C90.o1.tc	Method	TBLASTX:Cress
Start	1130	End	1906
GI	none	Score	70
Exons	1130..1237, 1134..1229, 1238..1390, 1238..1393, 1245..1406, 1400..1441, 1407..1535, 1409..1579, 1604..1906, 1746..1871		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76405	Strand	-
Start	1942	End	2010
Name	OJ990518_08.9C03.C90.o1.tw	Method	TBLASTX:Wheat
Start	1217	End	1591
GI	none	Score	201
Exons	1217..1591, 1220..1585, 1230..1586		

Seq. No.	37195	Seq. ID	OJ990518_08.9C03.C90
Gene No.	76405	Strand	-
Start	1942	End	2010
Name	OJ990518_08.9C03.C90.o2.gp	Method	AAT/GAP
Start	1942	End	2010
GI	428275	Score	130
Exons	1942..2010		
GI Descrip.	4454467/gb|AAD20914| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	37196	Seq. ID	OJ990518_08.9C03.C91
Gene No.	76406	Strand	+
Start	1	End	1041
Name	OJ990518_08.9C03.C91.o1.np	Method	AAT/NAP
Start	1	End	1038
GI	4234852	Score	1384
Exons	1..1038		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	37196	Seq. ID	OJ990518_08.9C03.C91
Gene No.	76406	Strand	+
Start	1	End	1041
Name	OJ990518_08.9C03.C91.o1.tw	Method	TBLASTX:Wheat
Start	12	End	432
GI	none	Score	373
Exons	12..428, 19..432		

Seq. No.	37196	Seq. ID	OJ990518_08.9C03.C91
Gene No.	76406	Strand	+
Start	1	End	1041
Name	OJ990518_08.9C03.C91.o1.tm	Method	TBLASTX:Maize
Start	97	End	528
GI	none	Score	81
Exons	97..258, 232..528, 372..527		

Seq. No.	37196	Seq. ID	OJ990518_08.9C03.C91
Gene No.	76406	Strand	+
Start	1	End	1041
Name	OJ990518_08.9C03.C91.o1.gs	Method	GENSCAN
Start	148	End	1041
GI	none	Score	.52
Exons	148..1041		

Seq. No.	37196	Seq. ID	OJ990518_08.9C03.C91
Gene No.	76406	Strand	+
Start	1	End	1041
Name	OJ990518_08.9C03.C91.o1.ts	Method	TBLASTX:Soybean
Start	418	End	984
GI	none	Score	131
Exons	418..600, 609..710, 613..804, 793..984		

Seq. No.	37196	Seq. ID	OJ990518_08.9C03.C91
Gene No.	76406	Strand	+
Start	1	End	1041
Name	OJ990518_08.9C03.C91.o2.tm	Method	TBLASTX:Maize
Start	541	End	999
GI	none	Score	55
Exons	541..600, 573..593, 582..749, 583..759, 808..999		

Seq. No.	37196	Seq. ID	OJ990518_08.9C03.C91
Gene No.	76406	Strand	+
Start	1	End	1041
Name	OJ990518_08.9C03.C91.o2.tw	Method	TBLASTX:Wheat
Start	584	End	987
GI	none	Score	51
Exons	584..697, 588..821, 592..987, 909..986		

Seq. No.	37197	Seq. ID	OJ990518_04.9C17.C1
Gene No.	76407	Strand	+
Start	1	End	1047
Name	OJ990518_04.9C17.C1.o2.np	Method	AAT/NAP
Start	1	End	1047
GI	134920	Score	109
Exons	1..108, 764..798, 854..1047		
GI Descrip.	SULFATED SURFACE GLYCOPROTEIN 185 (SSG 185) gi|99441|pir||A33647 sulfated surface glycoprotein 185 - Volvox carteri gi|1405821|emb|CAA35953| (X51616) SULFATED SURFACE GLYCOPROTEIN 185 [Volvox carteri]		

Seq. No.	37197	Seq. ID	OJ990518_04.9C17.C1
Gene No.	76407	Strand	+
Start	1	End	1047
Name	OJ990518_04.9C17.C1.o1.gs	Method	GENSCAN
Start	362	End	753

GI	none	Score	.45
Exons	362..753		

Seq. No.	37197	Seq. ID	OJ990518_04.9C17.C1
Gene No.	76408	Strand	-
Start	1	End	1048
Name	OJ990518_04.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	1048
GI	6907086	Score	458
Exons	1..231, 290..1048		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	37198	Seq. ID	OJ990518_04.9C17.C2
Gene No.	76409	Strand	+
Start	1	End	1031
Name	OJ990518_04.9C17.C2.o1.np	Method	AAT/NAP
Start	1	End	1031
GI	3757518	Score	639
Exons	1..1031		
GI Descrip.	(AC005167) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	37198	Seq. ID	OJ990518_04.9C17.C2
Gene No.	76409	Strand	+
Start	1	End	1031
Name	OJ990518_04.9C17.C2.o1.gs	Method	GENSCAN
Start	40	End	957
GI	none	Score	.97
Exons	40..957		

Seq. No.	37198	Seq. ID	OJ990518_04.9C17.C2
Gene No.	76409	Strand	+
Start	1	End	1031
Name	OJ990518_04.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	436	End	954
GI	none	Score	104
Exons	436..549, 627..785, 628..735, 760..789, 784..954, 840..932		

Seq. No.	37198	Seq. ID	OJ990518_04.9C17.C2
Gene No.	76409	Strand	+
Start	1	End	1031
Name	OJ990518_04.9C17.C2.o1.tc	Method	TBLASTX:Cress
Start	514	End	948
GI	none	Score	48
Exons	514..609, 628..738, 744..794, 760..948, 846..920		

Seq. No.	37198	Seq. ID	OJ990518_04.9C17.C2
Gene No.	76409	Strand	+
Start	1	End	1031
Name	OJ990518_04.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	591	End	948
GI	none	Score	80
Exons	591..770, 622..750, 751..948, 753..920		

Seq. No.	37198	Seq. ID	OJ990518_04.9C17.C2
Gene No.	76409	Strand	+
Start	1	End	1031
Name	OJ990518_04.9C17.C2.o1.tw	Method	TBLASTX:Wheat

Start	751	End	951
GI	none	Score	174
Exons	751..951, 753..923		

Seq. No.	37199	Seq. ID	OJ990518_04.9C17.C3
Gene No.	76410	Strand	+
Start	1	End	599
Name	OJ990518_04.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	599
GI	5734639	Score	352
Exons	1..312, 411..599		
GI Descrip.	(AP000391) ESTs AU056036(S20239),C72753(E2173), AU056035(S20239) correspond to a region of the predicted gene.; Similar to putative cytochrome P-450 (AC003680) [Oryza sativa]		

Seq. No.	37199	Seq. ID	OJ990518_04.9C17.C3
Gene No.	76410	Strand	+
Start	1	End	599
Name	OJ990518_04.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	108	End	261
GI	none	Score	205
Exons	108..260, 115..261		

Seq. No.	37199	Seq. ID	OJ990518_04.9C17.C3
Gene No.	76410	Strand	+
Start	1	End	599
Name	OJ990518_04.9C17.C3.o1.gs	Method	GENSCAN
Start	109	End	590
GI	none	Score	.75
Exons	109..312, 411..590		

Seq. No.	37199	Seq. ID	OJ990518_04.9C17.C3
Gene No.	76410	Strand	+
Start	1	End	599
Name	OJ990518_04.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	121	End	587
GI	none	Score	264
Exons	121..312, 123..311, 140..313, 209..313, 407..496, 411..587, 420..581		

Seq. No.	37199	Seq. ID	OJ990518_04.9C17.C3
Gene No.	76410	Strand	+
Start	1	End	599
Name	OJ990518_04.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	135	End	461
GI	none	Score	142
Exons	135..263, 136..258, 268..309, 414..461		

Seq. No.	37200	Seq. ID	OJ990518_04.9C17.C5
Gene No.	76411	Strand	+
Start	1	End	440
Name	OJ990518_04.9C17.C5.o1.np	Method	AAT/NAP
Start	1	End	434
GI	6856103	Score	253
Exons	1..434		
GI Descrip.	(AF159229) glutathione S-transferase [Gossypium hirsutum]		

Seq. No.	37200	Seq. ID	OJ990518_04.9C17.C5
Gene No.	76411	Strand	+
Start	1	End	440
Name	OJ990518_04.9C17.C5.o1.gs	Method	GENSCAN
Start	73	End	440
GI	none	Score	.98
Exons	73..440		

Seq. No.	37200	Seq. ID	OJ990518_04.9C17.C5
Gene No.	76411	Strand	+
Start	1	End	440
Name	OJ990518_04.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	96	End	400
GI	none	Score	257
Exons	96..395, 155..400		

Seq. No.	37200	Seq. ID	OJ990518_04.9C17.C5
Gene No.	76411	Strand	+
Start	1	End	440
Name	OJ990518_04.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	111	End	371
GI	none	Score	211
Exons	111..371, 144..371		

Seq. No.	37200	Seq. ID	OJ990518_04.9C17.C5
Gene No.	76411	Strand	+
Start	1	End	440
Name	OJ990518_04.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	124	End	440
GI	none	Score	366
Exons	124..228, 129..410, 134..400, 135..440		

Seq. No.	37200	Seq. ID	OJ990518_04.9C17.C5
Gene No.	76411	Strand	+
Start	1	End	440
Name	OJ990518_04.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	129	End	389
GI	none	Score	205
Exons	129..389		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76412	Strand	+
Start	2284	End	4273
Name	OJ990518_04.9C17.C6.o2.np	Method	AAT/NAP
Start	2284	End	4264
GI	6856103	Score	486
Exons	2284..2341, 3457..3799, 3896..4264		
GI Descrip.	(AF159229) glutathione S-transferase [Gossypium hirsutum]		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76412	Strand	+
Start	2284	End	4273
Name	OJ990518_04.9C17.C6.o1.gp	Method	AAT/GAP
Start	3427	End	3979
GI	13412_1.R1084	Score	682
Exons	3427..3799, 3896..3979		
GI Descrip.	'4996842/dbj|BAA78580.1| 2.0e-32 (AB027501) Dcarg-1 [Daucus		

carota]'

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76412	Strand	+
Start	2284	End	4273
Name	OJ990518_04.9C17.C6.o2.gs	Method	GENSCAN
Start	3437	End	4273
GI	none	Score	.99
Exons	3437..3799, 3896..4273		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76413	Strand	+
Start	5126	End	9591
Name	OJ990518_04.9C17.C6.o3.gs	Method	GENSCAN
Start	5126	End	9585
GI	none	Score	.63
Exons	5126..5291, 5508..5530, 6031..6399, 7973..8188, 8282..8569, 8662..8997, 9104..9307, 9406..9585		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76413	Strand	+
Start	5126	End	9591
Name	OJ990518_04.9C17.C6.o3.np	Method	AAT/NAP
Start	6106	End	9591
GI	2344895	Score	1006
Exons	6106..6207, 6256..6399, 7973..8188, 8282..8569, 8668..8997, 9104..9307, 9406..9591		
GI Descrip.	(AC002388) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76414	Strand	+
Start	10414	End	11332
Name	OJ990518_04.9C17.C6.o4.np	Method	AAT/NAP
Start	10414	End	11332
GI	4680186	Score	390
Exons	10414..10570, 11171..11332		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76415	Strand	-
Start	56	End	2888
Name	OJ990518_04.9C17.C6.o1.gs	Method	GENSCAN
Start	56	End	2888
GI	none	Score	.42
Exons	56..427, 774..1259, 2590..2764, 2818..2888		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76415	Strand	-
Start	56	End	2888
Name	OJ990518_04.9C17.C6.o1.np	Method	AAT/NAP
Start	62	End	1097
GI	2190992	Score	746
Exons	62..427, 774..1097		
GI Descrip.	(AF004358) glutathione S-transferase TSI-1 [Aegilops tauschii]		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76416	Strand	-

Start	4254	End	4532
Name	OJ990518_04.9C17.C6.o2.gp	Method	AAT/GAP
Start	4254	End	4532
GI	uC-osflcyp139b11a1	Score	352
Exons	4254..4532		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o3.ts	Method	TBLASTX:Soybean
Start	65	End	4222
GI	none	Score	214
Exons	65..298, 3974..4222, 3985..4158		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	101	End	5270
GI	none	Score	148
Exons	101..412, 771..1058, 793..948, 864..950, 889..1059, 3506..3556, 3557..3706, 3610..3705, 3716..3802, 3721..3801, 3908..4240, 3910..4170, 3917..4249, 5131..5202, 5132..5203, 5228..5263, 5229..5270		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o2.tw	Method	TBLASTX:Wheat
Start	119	End	9484
GI	none	Score	80
Exons	119..286, 119..406, 303..395, 3938..4171, 3977..4201, 5129..5203, 9422..9484		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o2.ts	Method	TBLASTX:Soybean
Start	302	End	3814
GI	none	Score	65
Exons	302..430, 303..404, 413..448, 753..806, 756..1094, 793..948, 875..952, 1026..1082, 3482..3604, 3557..3715, 3610..3708, 3694..3798, 3719..3814		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	768	End	3793
GI	none	Score	199
Exons	768..1142, 769..948, 780..953, 1026..1094, 3475..3522, 3482..3628, 3560..3706, 3610..3705, 3709..3780, 3719..3793		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-

Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o1.tc	Method	TBLASTX:Cress
Start	774	End	3799
GI	none	Score	119
Exons	774..1082, 775..948, 3482..3604, 3560..3715, 3716..3799, 3728..3799		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o4.tm	Method	TBLASTX:Maize
Start	6204	End	6416
GI	none	Score	261
Exons	6204..6407, 6208..6405, 6273..6416		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o2.tm	Method	TBLASTX:Maize
Start	7999	End	8720
GI	none	Score	243
Exons	7999..8181, 8003..8188, 8003..8188, 8276..8467, 8279..8554, 8281..8559, 8664..8720		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o3.tw	Method	TBLASTX:Wheat
Start	8737	End	9244
GI	none	Score	89
Exons	8737..8859, 8929..8994, 8929..8985, 9104..9244, 9124..9243		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	8740	End	9256
GI	none	Score	288
Exons	8740..8997, 8742..8870, 9103..9255, 9110..9256		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o2.tc	Method	TBLASTX:Cress
Start	8911	End	9486
GI	none	Score	85
Exons	8911..8994, 9104..9304, 9405..9464, 9406..9486		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o3.tm	Method	TBLASTX:Maize
Start	9093	End	9582
GI	none	Score	268
Exons	9093..9131, 9116..9307, 9118..9306, 9135..9308, 9175..9309, 9204..9308, 9402..9491, 9405..9491, 9406..9582, 9415..9576		

Seq. No.	37201	Seq. ID	OJ990518_04.9C17.C6
Gene No.	76417	Strand	-
Start	10716	End	11142
Name	OJ990518_04.9C17.C6.o3.gp	Method	AAT/GAP
Start	10716	End	11142
GI	4878407	Score	644
Exons	10716..11142		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o1.np	Method	AAT/NAP
Start	1	End	3518
GI	2344895	Score	1048
Exons	1..61, 107..246, 1884..2099, 2188..2475, 2569..2899, 3015..3218, 3333..3518		
GI Descrip.	(AC002388) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o4.tm	Method	TBLASTX:Maize
Start	60	End	252
GI	none	Score	285
Exons	60..242, 61..246, 62..247, 136..252		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o1.gs	Method	GENSCAN
Start	88	End	3512
GI	none	Score	.86
Exons	88..246, 1884..2099, 2188..2475, 2564..2899, 3015..3218, 3333..3512		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	187	End	3404
GI	none	Score	68
Exons	187..246, 1881..2006, 1910..2002, 2182..2331, 2576..2758, 2810..2911, 3033..3176, 3038..3181, 3332..3382, 3333..3404		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o1.gp	Method	AAT/GAP
Start	1856	End	2741
GI	66819_1.R1084	Score	1319
Exons	1856..2099, 2188..2475, 2564..2741		
GI Descrip.	'5734639/dbj|BAA83370.1| 2.0e-57 (AP000391) ESTs AU056036(S20239),C72753(E2173), AU056035(S20239) correspond to a region of the predicted gene.; Similar to putative cytochrome P-450 (AC003680) [Oryza sativa]'		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	1907	End	2622
GI	none	Score	267
Exons	1907..2098, 1914..2099, 2028..2099, 2182..2463, 2185..2463, 2187..2465, 2563..2622, 2564..2617		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	2642	End	3167
GI	none	Score	315
Exons	2642..2899, 2644..2772, 2800..2889, 2840..2893, 3014..3166, 3015..3167		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o2.gp	Method	AAT/GAP
Start	2752	End	3660
GI	17114_1.R1084	Score	1086
Exons	2752..2899, 3015..3218, 3333..3660		
GI Descrip.	'4200338/emb|CAA76726| 4.0e-28 (Y17277) P69C protein [Lycopersicon esculentum]'		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o2.np	Method	AAT/NAP
Start	2780	End	8509
GI	6692726	Score	112
Exons	2780..2847, 8194..8509		
GI Descrip.	(AC012679) thaumatin-like protein [Arabidopsis thaliana]		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	2855	End	3413
GI	none	Score	38
Exons	2855..2893, 2994..3173, 2994..3188, 2995..3180, 3185..3220, 3336..3413		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	3027	End	3509
GI	none	Score	259
Exons	3027..3218, 3029..3217, 3074..3220, 3315..3470, 3333..3509		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+

Start	1	End	8509
Name	OJ990518_04.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	4371	End	4875
GI	none	Score	183
Exons	4371..4568, 4400..4588, 4401..4592, 4608..4772, 4609..4776, 4636..4776, 4794..4871, 4843..4875		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	4600	End	4970
GI	none	Score	132
Exons	4600..4791, 4688..4933, 4722..4970, 4843..4968		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o4.gp	Method	AAT/GAP
Start	7012	End	7068
GI	4715947	Score	76
Exons	7012..7068		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	37202	Seq. ID	OJ990518_04.9C17.C8
Gene No.	76418	Strand	+
Start	1	End	8509
Name	OJ990518_04.9C17.C8.o3.gs	Method	GENSCAN
Start	7833	End	8423
GI	none	Score	.91
Exons	7833..8423		

Seq. No.	37203	Seq. ID	OJ990518_04.9C17.C9
Gene No.	76419	Strand	+
Start	1	End	1978
Name	OJ990518_04.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	573
GI	6273383	Score	148
Exons	1..345, 411..573		
GI Descrip.	(AF195653) SCUTL1 [Vitis vinifera]		

Seq. No.	37203	Seq. ID	OJ990518_04.9C17.C9
Gene No.	76419	Strand	+
Start	1	End	1978
Name	OJ990518_04.9C17.C9.o1.gs	Method	GENSCAN
Start	190	End	1978
GI	none	Score	.54
Exons	190..416, 748..862, 1230..1437, 1935..1978		

Seq. No.	37203	Seq. ID	OJ990518_04.9C17.C9
Gene No.	76420	Strand	-
Start	776	End	964
Name	OJ990518_04.9C17.C9.o2.np	Method	AAT/NAP

Start	776	End	964
GI	4426964	Score	94
Exons	776..964		
GI Descrip.	(AF126255) purple acid phosphatase precursor [Anchusa officinalis]		

Seq. No.	37203	Seq. ID	OJ990518_04.9C17.C9
Gene No.	76421	Strand	-
Start	1068	End	1166
Name	OJ990518_04.9C17.C9.o3.np	Method	AAT/NAP
Start	1068	End	1166
GI	5777617	Score	80
Exons	1068..1166		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	37203	Seq. ID	OJ990518_04.9C17.C9
Gene No.	76422	Strand	-
Start	3443	End	3534
Name	OJ990518_04.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	65	End	306
GI	none	Score	188
Exons	65..238, 66..236, 241..306		

Seq. No.	37203	Seq. ID	OJ990518_04.9C17.C9
Gene No.	76422	Strand	-
Start	3443	End	3534
Name	OJ990518_04.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	66	End	306
GI	none	Score	156
Exons	66..236, 241..306		

Seq. No.	37203	Seq. ID	OJ990518_04.9C17.C9
Gene No.	76422	Strand	-
Start	3443	End	3534
Name	OJ990518_04.9C17.C9.o2.gs	Method	GENSCAN
Start	3443	End	3534
GI	none	Score	.88
Exons	3443..3517, 3532..3534		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76423	Strand	+
Start	1356	End	2849
Name	OJ990518_04.9C17.C10.o1.gs	Method	GENSCAN
Start	1356	End	2849
GI	none	Score	.81
Exons	1356..1523, 2839..2849		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76424	Strand	+
Start	3562	End	8036
Name	OJ990518_04.9C17.C10.o1.np	Method	AAT/NAP
Start	3005	End	7839
GI	2979544	Score	1094
Exons	3005..3093, 3663..3882, 6209..6424, 6519..6800, 6910..7242, 7357..7560, 7654..7839		
GI Descrip.	(AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76424	Strand	+
Start	3562	End	8036
Name	OJ990518_04.9C17.C10.o2.gs	Method	GENSCAN
Start	3562	End	7833
GI	none	Score	.88
Exons	3562..3882, 6209..6424, 6519..6800, 6910..7242, 7357..7560, 7654..7833		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76424	Strand	+
Start	3562	End	8036
Name	OJ990518_04.9C17.C10.o1.gp	Method	AAT/GAP
Start	4435	End	4858
GI	none	Score	809
Exons	4435..4858		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76424	Strand	+
Start	3562	End	8036
Name	OJ990518_04.9C17.C10.o2.gp	Method	AAT/GAP
Start	7354	End	8036
GI	17114_1.R1084	Score	1015
Exons	7354..7560, 7654..8036		
GI Descrip.	'4200338/emb|CAA76726| 4.0e-28 (Y17277) P69C protein [Lycopersicon esculentum]'		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o5.tm	Method	TBLASTX:Maize
Start	3685	End	3882
GI	none	Score	273
Exons	3685..3882, 3687..3878		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o2.tc	Method	TBLASTX:Cress
Start	3802	End	7725
GI	none	Score	73
Exons	3802..3882, 6205..6327, 6206..6331, 6961..7101, 7189..7254, 7375..7518, 7380..7523, 7654..7725		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	6232	End	6963
GI	none	Score	258
Exons	6232..6474, 6239..6424, 6516..6791, 6516..6761, 6901..6963		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	6982	End	7497

GI	none	Score	94
Exons	6982..7101, 7174..7254, 7342..7497, 7438..7494		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	6984	End	7509
GI	none	Score	294
Exons	6984..7184, 6985..7242, 7356..7508, 7363..7509		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	7367	End	7830
GI	none	Score	117
Exons	7367..7546, 7369..7560, 7371..7553, 7381..7560, 7636..7824, 7653..7721, 7654..7830		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o2.np	Method	AAT/NAP
Start	9822	End	11743
GI	3413481	Score	741
Exons	9822..9892, 10729..11743		
GI Descrip.	(AJ006786) serine protease [Lycopersicon esculentum]		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o4.tm	Method	TBLASTX:Maize
Start	10655	End	11062
GI	none	Score	69
Exons	10655..10762, 10721..10759, 10802..10855, 10856..11062, 10859..10981, 10867..11061		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	10811	End	11730
GI	none	Score	115
Exons	10811..11029, 10885..11028, 11077..11178, 11078..11275, 11273..11506, 11323..11409, 11589..11672, 11590..11730		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	10838	End	11733
GI	none	Score	221
Exons	10838..11278, 10975..11112, 11131..11178, 11258..11500, 11528..11584, 11589..11672, 11590..11733		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10

Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	11062	End	11743
GI	none	Score	724
Exons	11062..11181, 11063..11581, 11227..11580, 11515..11613, 11589..11741, 11590..11742, 11636..11743		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o2.tw	Method	TBLASTX:Wheat
Start	11099	End	11488
GI	none	Score	107
Exons	11099..11194, 11101..11175, 11150..11230, 11318..11488, 11344..11412		

Seq. No.	37204	Seq. ID	OJ990518_04.9C17.C10
Gene No.	76425	Strand	+
Start	9822	End	11743
Name	OJ990518_04.9C17.C10.o3.gp	Method	AAT/GAP
Start	11499	End	11743
GI	2428479	Score	457
Exons	11499..11743		
GI Descrip.	3413481/emb|CAA07250.1| 7.0e-18 (AJ006786) serine protease [Lycopersicon esculentum]		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76426	Strand	+
Start	1	End	324
Name	OJ990518_04.9C17.C11.o1.np	Method	AAT/NAP
Start	1	End	324
GI	4115929	Score	151
Exons	1..324		
GI Descrip.	(AF118222) similar to the subtilase family of serine proteases (Pfam: PF00082, Score=48.3, E=2.3e-12, n=4) [Arabidopsis thaliana] gi|4539412|emb|CAB40045.1| (AL049524) putative subtilisin-like protease [Arabidopsis thaliana]		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76427	Strand	+
Start	5119	End	6127
Name	OJ990518_04.9C17.C11.o2.np	Method	AAT/NAP
Start	5119	End	6127
GI	1871182	Score	900
Exons	5119..5141, 5175..6127		
GI Descrip.	(U90439) phospholipase D [Arabidopsis thaliana]		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76428	Strand	-
Start	1	End	502
Name	OJ990518_04.9C17.C11.o1.gp	Method	AAT/GAP
Start	1	End	502
GI	41928_1.R1084	Score	996
Exons	1..502		
GI Descrip.	'3413481/emb|CAA07250.1| 5.0e-22 (AJ006786) serine protease [Lycopersicon esculentum]'		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76428	Strand	-
Start	1	End	502
Name	OJ990518_04.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	1	End	302
GI	none	Score	356
Exons	1..273, 1..84, 3..302		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76428	Strand	-
Start	1	End	502
Name	OJ990518_04.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	1	End	273
GI	none	Score	166
Exons	1..210, 3..209, 229..273		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76429	Strand	
Start	5179	End	6053
Name	OJ990518_04.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	5179	End	6053
GI	none	Score	133
Exons	5179..5286, 5323..5373, 5401..5922, 5414..5509, 5496..5897, 5632..5916, 5910..6053, 5941..6042		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76429	Strand	
Start	5179	End	6053
Name	OJ990518_04.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	5410	End	6030
GI	none	Score	110
Exons	5410..5616, 5683..5919, 5698..5940, 5941..6030, 5946..6017		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76429	Strand	
Start	5179	End	6053
Name	OJ990518_04.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	5410	End	6030
GI	none	Score	145
Exons	5410..5676, 5677..5940, 5697..5921, 5941..6030, 5943..6017		

Seq. No.	37205	Seq. ID	OJ990518_04.9C17.C11
Gene No.	76429	Strand	
Start	5179	End	6053
Name	OJ990518_04.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	5608	End	6009
GI	none	Score	242
Exons	5608..5940, 5682..5924, 5941..6009, 5946..6008		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76430	Strand	+
Start	1	End	3498
Name	OJ990518_04.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	2459
GI	1871182	Score	1060
Exons	1..163, 329..476, 580..751, 1360..1562, 2169..2459		

GI Descrip. (U90439) phospholipase D [Arabidopsis thaliana]

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76430	Strand	+
Start	1	End	3498
Name	OJ990518_04.9C17.C12.o1.gp	Method	AAT/GAP
Start	373	End	606
GI	LIB3434-051-P1-K1-A4	Score	433
Exons	373..606		
GI Descrip.	'2252846 7.0e-12 (AF013293) Similar to phospholipase D [Arabidopsis thaliana] >gi_6049888_gb_AAF02803.1_AF195115_23 (AF195115) Similar to phospholipase D; F5I10.13 [Arabidopsis thaliana]'		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76430	Strand	+
Start	1	End	3498
Name	OJ990518_04.9C17.C12.o1.gs	Method	GENSCAN
Start	420	End	3498
GI	none	Score	.7
Exons	420..476, 580..741, 1365..1562, 2169..2345, 2386..2475, 3219..3498		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76431	Strand	-
Start	2342	End	2859
Name	OJ990518_04.9C17.C12.o2.gp	Method	AAT/GAP
Start	2342	End	2859
GI	uC-osflcyp173a01a1	Score	961
Exons	2342..2859		
GI Descrip.	'1871182 6.0e-10 (U90439) phospholipase D isolog [Arabidopsis thaliana]'		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o1.tc	Method	TBLASTX:Cress
Start	62	End	2462
GI	none	Score	142
Exons	62..151, 63..152, 66..152, 326..481, 327..476, 579..620, 580..756, 1371..1565, 1376..1558, 2158..2244, 2166..2450, 2168..2206, 2168..2458, 2169..2462		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	62	End	734
GI	none	Score	80
Exons	62..139, 62..145, 63..149, 324..476, 329..475, 329..481, 330..476, 580..705, 582..617, 590..721, 669..734		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o3.ts	Method	TBLASTX:Soybean
Start	329	End	1451

GI	none	Score	156
Exons	329..481, 330..476, 332..487, 577..624, 580..696, 582..695, 1362..1451, 1376..1450		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o3.tm	Method	TBLASTX:Maize
Start	1344	End	1563
GI	none	Score	315
Exons	1344..1562, 1363..1563, 1363..1560, 1364..1561		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o2.tw	Method	TBLASTX:Wheat
Start	1362	End	3294
GI	none	Score	213
Exons	1362..1505, 1364..1510, 1365..1520, 3235..3294		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o1.ts	Method	TBLASTX:Soybean
Start	1452	End	2465
GI	none	Score	145
Exons	1452..1565, 1455..1538, 1469..1561, 2166..2450, 2169..2465, 2174..2458		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	1520	End	2474
GI	none	Score	65
Exons	1520..1561, 1521..1562, 1524..1565, 2166..2468, 2168..2473, 2169..2474		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o4.tm	Method	TBLASTX:Maize
Start	2169	End	2486
GI	none	Score	282
Exons	2169..2486, 2174..2482		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o2.np	Method	AAT/NAP
Start	3083	End	3508
GI	4903006	Score	242
Exons	3083..3134, 3223..3508		
GI Descrip.	(AB027458) ACE [Arabidopsis thaliana] gi|5903086|gb|AAD55644.1|AC008017_17 (AC008017) ACE [Arabidopsis thaliana]		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o2.tc	Method	TBLASTX:Cress
Start	3095	End	3404
GI	none	Score	53
Exons	3095..3154, 3103..3147, 3220..3396, 3222..3404		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o2.ts	Method	TBLASTX:Soybean
Start	3104	End	3504
GI	none	Score	37
Exons	3104..3142, 3104..3154, 3117..3146, 3212..3283, 3220..3504, 3222..3503		

Seq. No.	37206	Seq. ID	OJ990518_04.9C17.C12
Gene No.	76432	Strand	-
Start	3083	End	3508
Name	OJ990518_04.9C17.C12.o2.tm	Method	TBLASTX:Maize
Start	3116	End	3494
GI	none	Score	45
Exons	3116..3154, 3117..3146, 3220..3447, 3222..3494		

Seq. No.	37207	Seq. ID	OJ990518_04.9C17.C13
Gene No.	76433	Strand	+
Start	888	End	1110
Name	OJ990518_04.9C17.C13.o1.gs	Method	GENSCAN
Start	888	End	1110
GI	none	Score	.95
Exons	888..1110		

Seq. No.	37207	Seq. ID	OJ990518_04.9C17.C13
Gene No.	76434	Strand	-
Start	325	End	883
Name	OJ990518_04.9C17.C13.o1.gp	Method	AAT/GAP
Start	325	End	883
GI	4715772	Score	1039
Exons	325..883		

Seq. No.	37208	Seq. ID	OJ990518_04.9C17.C14
Gene No.	76435	Strand	+
Start	1	End	1412
Name	OJ990518_04.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	1412
GI	1871182	Score	905
Exons	1..99, 412..616, 834..1072, 1158..1226, 1307..1412		
GI Descrip.	(U90439) phospholipase D [Arabidopsis thaliana]		

Seq. No.	37208	Seq. ID	OJ990518_04.9C17.C14
Gene No.	76435	Strand	+
Start	1	End	1412
Name	OJ990518_04.9C17.C14.o1.ts	Method	TBLASTX:Soybean
Start	3	End	1411
GI	none	Score	108
Exons	3..101, 4..105, 409..606, 411..554, 418..633, 836..940,		

841..945, 953..1057, 1043..1078, 1158..1202, 1304..1411, 1306..1410

Seq. No.	37208	Seq. ID	OJ990518_04.9C17.C14
Gene No.	76435	Strand	+
Start	1	End	1412
Name	OJ990518_04.9C17.C14.o2.tc	Method	TBLASTX:Cress
Start	3	End	1411
GI	none	Score	165
Exons	3..95, 4..99, 4..96, 5..103, 400..603, 411..602, 433..603, 1134..1208, 1158..1280, 1163..1258, 1300..1410, 1304..1411, 1306..1410		

Seq. No.	37208	Seq. ID	OJ990518_04.9C17.C14
Gene No.	76435	Strand	+
Start	1	End	1412
Name	OJ990518_04.9C17.C14.o1.gs	Method	GENSCAN
Start	379	End	1226
GI	none	Score	.97
Exons	379..606, 824..1072, 1158..1226		

Seq. No.	37208	Seq. ID	OJ990518_04.9C17.C14
Gene No.	76435	Strand	+
Start	1	End	1412
Name	OJ990518_04.9C17.C14.o2.tm	Method	TBLASTX:Maize
Start	400	End	602
GI	none	Score	104
Exons	400..591, 408..497, 411..602, 412..591, 528..602		

Seq. No.	37208	Seq. ID	OJ990518_04.9C17.C14
Gene No.	76435	Strand	+
Start	1	End	1412
Name	OJ990518_04.9C17.C14.o1.gp	Method	AAT/GAP
Start	409	End	1412
GI	41422_1.R1084	Score	1168
Exons	409..606, 824..1072, 1158..1226, 1307..1412		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	37208	Seq. ID	OJ990518_04.9C17.C14
Gene No.	76435	Strand	+
Start	1	End	1412
Name	OJ990518_04.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	817	End	1411
GI	none	Score	424
Exons	817..1077, 824..1078, 1154..1258, 1156..1251, 1158..1280, 1234..1404, 1304..1411, 1306..1404.		

Seq. No.	37208	Seq. ID	OJ990518_04.9C17.C14
Gene No.	76435	Strand	+
Start	1	End	1412
Name	OJ990518_04.9C17.C14.o1.tc	Method	TBLASTX:Cress
Start	841	End	1080
GI	none	Score	319
Exons	841..1080, 842..1075		

Seq. No.	37209	Seq. ID	OJ990518_04.9C17.C17

Gene No.	76436	Strand	-
Start	181	End	245
Name	OJ990518_04.9C17.C17.o1.gp	Method	AAT/GAP
Start	181	End	245
GI	LIB3477-003-P1-K1-E9	Score	79
Exons	181..245		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	37210	Seq. ID	OJ990518_04.9C17.C22
Gene No.	76437	Strand	+
Start	3	End	438
Name	OJ990518_04.9C17.C22.o1.gs	Method	GENSCAN
Start	3	End	438
GI	none	Score	.4
Exons	3..140, 257..438		

Seq. No.	37211	Seq. ID	OJ990518_04.9C17.C23
Gene No.	76438	Strand	-
Start	62	End	870
Name	OJ990518_04.9C17.C23.o1.gs	Method	GENSCAN
Start	62	End	870
GI	none	Score	.86
Exons	62..121, 697..870		

Seq. No.	37212	Seq. ID	OJ990518_04.9C17.C24
Gene No.	76439	Strand	-
Start	25	End	2861
Name	OJ990518_04.9C17.C24.o1.np	Method	AAT/NAP
Start	25	End	2861
GI	119714	Score	169
Exons	25..471, 504..880, 2720..2861		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi|82169|pir||S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi|19867|emb|CAA32090| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	37213	Seq. ID	OJ990518_04.9C17.C25
Gene No.	76440	Strand	+
Start	145	End	601
Name	OJ990518_04.9C17.C25.o1.gs	Method	GENSCAN
Start	145	End	601
GI	none	Score	.62
Exons	145..601		

Seq. No.	37214	Seq. ID	OJ990518_04.9C17.C30
Gene No.	76441	Strand	-
Start	372	End	486
Name	OJ990518_04.9C17.C30.o1.gs	Method	GENSCAN
Start	372	End	486
GI	none	Score	.69
Exons	372..486		

Seq. No.	37215	Seq. ID	OJ990518_04.9C17.C34
Gene No.	76442	Strand	-
Start	425	End	1147

Name	OJ990518_04.9C17.C34.o1.gs	Method	GENSCAN
Start	425	End	1147
GI	none	Score	.5
Exons	425..559, 1079..1147		

Seq. No.	37216	Seq. ID	OJ990518_04.9C17.C35
Gene No.	76443	Strand	+
Start	316	End	573
Name	OJ990518_04.9C17.C35.o1.gs	Method	GENSCAN
Start	316	End	573
GI	none	Score	.94
Exons	316..573		

Seq. No.	37217	Seq. ID	OJ990518_04.9C17.C37
Gene No.	76444	Strand	-
Start	118	End	831
Name	OJ990518_04.9C17.C37.o1.gs	Method	GENSCAN
Start	118	End	831
GI	none	Score	.59
Exons	118..231, 718..831		

Seq. No.	37218	Seq. ID	OJ990518_04.9C17.C38
Gene No.	76445	Strand	+
Start	84	End	483
Name	OJ990518_04.9C17.C38.o1.gs	Method	GENSCAN
Start	84	End	483
GI	none	Score	.45
Exons	84..305, 401..483		

Seq. No.	37219	Seq. ID	OJ990518_04.9C17.C40
Gene No.	76446	Strand	+
Start	200	End	338
Name	OJ990518_04.9C17.C40.o1.gs	Method	GENSCAN
Start	200	End	338
GI	none	Score	.74
Exons	200..338		

Seq. No.	37220	Seq. ID	OJ990518_04.9C17.C43
Gene No.	76447	Strand	-
Start	86	End	360
Name	OJ990518_04.9C17.C43.o1.gs	Method	GENSCAN
Start	86	End	360
GI	none	Score	.98
Exons	86..360		

Seq. No.	37221	Seq. ID	OJ990518_04.9C17.C45
Gene No.	76448	Strand	-
Start	501	End	869
Name	OJ990518_04.9C17.C45.o1.gs	Method	GENSCAN
Start	501	End	869
GI	none	Score	.41
Exons	501..694, 732..869		

Seq. No.	37222	Seq. ID	OJ990518_04.9C17.C46
Gene No.	76449	Strand	+
Start	4	End	2269
Name	OJ990518_04.9C17.C46.o1.gs	Method	GENSCAN

Start	4	End	2269
GI	none	Score	.68
Exons	4..194, 257..426, 1713..1906, 2159..2269		

Seq. No.	37223	Seq. ID	OJ990518_04.9C17.C51
Gene No.	76450	Strand	+
Start	1	End	476
Name	OJ990518_04.9C17.C51.o1.np	Method	AAT/NAP
Start	1	End	476
GI	4200338	Score	407
Exons	1..476		
GI Descrip.	(Y17277) P69C protein [Lycopersicon esculentum]		

Seq. No.	37223	Seq. ID	OJ990518_04.9C17.C51
Gene No.	76450	Strand	+
Start	1	End	476
Name	OJ990518_04.9C17.C51.o1.tm	Method	TBLASTX:Maize
Start	3	End	467
GI	none	Score	621
Exons	3..467, 3..95, 26..442, 285..467		

Seq. No.	37223	Seq. ID	OJ990518_04.9C17.C51
Gene No.	76450	Strand	+
Start	1	End	476
Name	OJ990518_04.9C17.C51.o1.tc	Method	TBLASTX:Cress
Start	6	End	476
GI	none	Score	316
Exons	6..365, 32..343, 365..472, 372..476		

Seq. No.	37223	Seq. ID	OJ990518_04.9C17.C51
Gene No.	76450	Strand	+
Start	1	End	476
Name	OJ990518_04.9C17.C51.o1.ts	Method	TBLASTX:Soybean
Start	6	End	476
GI	none	Score	281
Exons	6..365, 32..397, 375..476, 375..476		

Seq. No.	37223	Seq. ID	OJ990518_04.9C17.C51
Gene No.	76450	Strand	+
Start	1	End	476
Name	OJ990518_04.9C17.C51.o1.gp	Method	AAT/GAP
Start	42	End	445
GI	1631752	Score	711
Exons	42..445		
GI Descrip.	4200338/emb|CAA76726| 4.0e-28 (Y17277) P69C protein [Lycopersicon esculentum]		

Seq. No.	37223	Seq. ID	OJ990518_04.9C17.C51
Gene No.	76450	Strand	+
Start	1	End	476
Name	OJ990518_04.9C17.C51.o1.gs	Method	GENSCAN
Start	75	End	412
GI	none	Score	.62
Exons	75..412		

Seq. No.	37223	Seq. ID	OJ990518_04.9C17.C51
Gene No.	76450	Strand	+

Start	1	End	476
Name	OJ990518_04.9C17.C51.o1.tw	Method	TBLASTX:Wheat
Start	183	End	377
GI	none	Score	183
Exons	183..368, 191..367, 270..377		

Seq. No.	37224	Seq. ID	OJ990518_04.9C17.C52
Gene No.	76451	Strand	-
Start	1	End	751
Name	OJ990518_04.9C17.C52.o1.np	Method	AAT/NAP
Start	1	End	751
GI	6539558	Score	777
Exons	1..751		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	37224	Seq. ID	OJ990518_04.9C17.C52
Gene No.	76451	Strand	-
Start	1	End	751
Name	OJ990518_04.9C17.C52.o1.tm	Method	TBLASTX:Maize
Start	8	End	298
GI	none	Score	52
Exons	8..97, 9..101, 85..294, 86..298		

Seq. No.	37224	Seq. ID	OJ990518_04.9C17.C52
Gene No.	76451	Strand	-
Start	1	End	751
Name	OJ990518_04.9C17.C52.o1.ts	Method	TBLASTX:Soybean
Start	8	End	267
GI	none	Score	86
Exons	8..94, 85..267, 86..238		

Seq. No.	37224	Seq. ID	OJ990518_04.9C17.C52
Gene No.	76451	Strand	-
Start	1	End	751
Name	OJ990518_04.9C17.C52.o1.gs	Method	GENSCAN
Start	108	End	618
GI	none	Score	.66
Exons	108..618		

Seq. No.	37224	Seq. ID	OJ990518_04.9C17.C52
Gene No.	76451	Strand	-
Start	1	End	751
Name	OJ990518_04.9C17.C52.o1.tw	Method	TBLASTX:Wheat
Start	127	End	675
GI	none	Score	51
Exons	127..273, 127..396, 167..307, 454..570, 580..675		

Seq. No.	37224	Seq. ID	OJ990518_04.9C17.C52
Gene No.	76451	Strand	-
Start	1	End	751
Name	OJ990518_04.9C17.C52.o2.ts	Method	TBLASTX:Soybean
Start	361	End	636
GI	none	Score	196
Exons	361..636, 460..540		

Seq. No.	37224	Seq. ID	OJ990518_04.9C17.C52

Gene No.	76451	Strand	-
Start	1	End	751
Name	OJ990518_04.9C17.C52.o2.tm	Method	TBLASTX:Maize
Start	379	End	669
GI	none	Score	57
Exons	379..582, 401..583, 580..669		

Seq. No.	37225	Seq. ID	OJ990518_04.9C17.C54
Gene No.	76452	Strand	-
Start	91	End	1057
Name	OJ990518_04.9C17.C54.o1.gs	Method	GENSCAN
Start	91	End	934
GI	none	Score	1
Exons	91..498, 575..934		

Seq. No.	37225	Seq. ID	OJ990518_04.9C17.C54
Gene No.	76452	Strand	-
Start	91	End	1057
Name	OJ990518_04.9C17.C54.o1.np	Method	AAT/NAP
Start	97	End	1057
GI	6856103	Score	490
Exons	97..453, 560..1057		
GI Descrip.	(AF159229) glutathione S-transferase [Gossypium hirsutum]		

Seq. No.	37225	Seq. ID	OJ990518_04.9C17.C54
Gene No.	76452	Strand	-
Start	91	End	1057
Name	OJ990518_04.9C17.C54.o1.tm	Method	TBLASTX:Maize
Start	121	End	865
GI	none	Score	256
Exons	121..402, 131..397, 303..407, 572..658, 575..652, 665..814, 666..788, 815..865		

Seq. No.	37225	Seq. ID	OJ990518_04.9C17.C54
Gene No.	76452	Strand	-
Start	91	End	1057
Name	OJ990518_04.9C17.C54.o2.ts	Method	TBLASTX:Soybean
Start	131	End	435
GI	none	Score	135
Exons	131..376, 136..435		

Seq. No.	37225	Seq. ID	OJ990518_04.9C17.C54
Gene No.	76452	Strand	-
Start	91	End	1057
Name	OJ990518_04.9C17.C54.o1.tw	Method	TBLASTX:Wheat
Start	265	End	862
GI	none	Score	69
Exons	265..486, 277..381, 572..646, 573..647, 576..656, 665..811, 666..779, 818..862		

Seq. No.	37225	Seq. ID	OJ990518_04.9C17.C54
Gene No.	76452	Strand	-
Start	91	End	1057
Name	OJ990518_04.9C17.C54.o1.tc	Method	TBLASTX:Cress
Start	313	End	889
GI	none	Score	107
Exons	313..378, 575..658, 656..889, 672..788		

Seq. No.	37225	Seq. ID	OJ990518_04.9C17.C54
Gene No.	76452	Strand	-
Start	91	End	1057
Name	OJ990518_04.9C17.C54.o1.ts	Method	TBLASTX:Soybean
Start	545	End	889
GI	none	Score	37
Exons	545..649, 561..650, 665..814, 666..779, 815..889		

Seq. No.	37226	Seq. ID	OJ990518_04.9C17.C56
Gene No.	76453	Strand	+
Start	1	End	1230
Name	OJ990518_04.9C17.C56.o1.np	Method	AAT/NAP
Start	1	End	1230
GI	1871182	Score	514
Exons	1..302, 720..836, 1149..1230		
GI Descrip.	(U90439) phospholipase D [Arabidopsis thaliana]		

Seq. No.	37226	Seq. ID	OJ990518_04.9C17.C56
Gene No.	76453	Strand	+
Start	1	End	1230
Name	OJ990518_04.9C17.C56.o1.tc	Method	TBLASTX:Cress
Start	1	End	1029
GI	none	Score	66
Exons	1..135, 2..157, 2..157, 6..182, 6..176, 170..313, 201..302, 718..825, 719..832, 720..836, 721..840, 722..838, 934..1029		

Seq. No.	37226	Seq. ID	OJ990518_04.9C17.C56
Gene No.	76453	Strand	+
Start	1	End	1230
Name	OJ990518_04.9C17.C56.o1.tm	Method	TBLASTX:Maize
Start	2	End	830
GI	none	Score	182
Exons	2..154, 3..200, 6..179, 201..290, 206..277, 720..830		

Seq. No.	37226	Seq. ID	OJ990518_04.9C17.C56
Gene No.	76453	Strand	+
Start	1	End	1230
Name	OJ990518_04.9C17.C56.o1.tw	Method	TBLASTX:Wheat
Start	2	End	269
GI	none	Score	194
Exons	2..184, 3..200, 201..269, 206..268		

Seq. No.	37226	Seq. ID	OJ990518_04.9C17.C56
Gene No.	76453	Strand	+
Start	1	End	1230
Name	OJ990518_04.9C17.C56.o1.ts	Method	TBLASTX:Soybean
Start	3	End	803
GI	none	Score	176
Exons	3..200, 8..181, 201..290, 203..277, 720..803		

Seq. No.	37226	Seq. ID	OJ990518_04.9C17.C56
Gene No.	76453	Strand	+
Start	1	End	1230
Name	OJ990518_04.9C17.C56.o1.gs	Method	GENSCAN
Start	66	End	836
GI	none	Score	.55

Exons	66..148, 179..302, 720..836		
Seq. No.	37227	Seq. ID	OJ990518_04.9C17.C57
Gene No.	76454	Strand	-
Start	1	End	1962
Name	OJ990518_04.9C17.C57.o1.np	Method	AAT/NAP
Start	1	End	1962
GI	4903006	Score	654
Exons	1..113, 206..799, 1780..1962		
GI Descrip.	(AB027458) ACE [Arabidopsis thaliana] gi|5903086|gb|AAD55644.1|AC008017_17 (AC008017) ACE [Arabidopsis thaliana]		
Seq. No.	37227	Seq. ID	OJ990518_04.9C17.C57
Gene No.	76454	Strand	-
Start	1	End	1962
Name	OJ990518_04.9C17.C57.o1.gs	Method	GENSCAN
Start	33	End	1515
GI	none	Score	.81
Exons	33..127, 214..677, 696..853, 938..1072, 1513..1515		
Seq. No.	37227	Seq. ID	OJ990518_04.9C17.C57
Gene No.	76455	Strand	-
Start	2866	End	2965
Name	OJ990518_04.9C17.C57.o1.tm	Method	TBLASTX:Maize
Start	1	End	799
GI	none	Score	69
Exons	1..126, 3..125, 215..655, 219..626, 729..791, 731..799		
Seq. No.	37227	Seq. ID	OJ990518_04.9C17.C57
Gene No.	76455	Strand	-
Start	2866	End	2965
Name	OJ990518_04.9C17.C57.o1.ts	Method	TBLASTX:Soybean
Start	1	End	619
GI	none	Score	74
Exons	1..117, 3..113, 212..619, 294..617		
Seq. No.	37227	Seq. ID	OJ990518_04.9C17.C57
Gene No.	76455	Strand	-
Start	2866	End	2965
Name	OJ990518_04.9C17.C57.o1.tc	Method	TBLASTX:Cress
Start	3	End	520
GI	none	Score	192
Exons	3..92, 81..137, 209..520, 210..509		
Seq. No.	37227	Seq. ID	OJ990518_04.9C17.C57
Gene No.	76455	Strand	-
Start	2866	End	2965
Name	OJ990518_04.9C17.C57.o2.tc	Method	TBLASTX:Cress
Start	521	End	832
GI	none	Score	102
Exons	521..673, 522..626, 686..832, 738..824		
Seq. No.	37227	Seq. ID	OJ990518_04.9C17.C57
Gene No.	76455	Strand	-
Start	2866	End	2965
Name	OJ990518_04.9C17.C57.o1.gp	Method	AAT/GAP

Start	2866	End	2965
GI	4715772	Score	136
Exons	2866..2965		

Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76456	Strand	+
Start	7186	End	8818
Name	OJ990518_04.9C17.C58.o3.gp	Method	AAT/GAP
Start	6948	End	7942
GI	571953	Score	722
Exons	6948..7292, 7884..7942		

Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76456	Strand	+
Start	7186	End	8818
Name	OJ990518_04.9C17.C58.o3.gs	Method	GENSCAN
Start	7186	End	8818
GI	none	Score	.75
Exons	7186..7292, 7884..8145, 8278..8477, 8565..8752, 8808..8818		

Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76457	Strand	+
Start	9332	End	9765
Name	OJ990518_04.9C17.C58.o4.gp	Method	AAT/GAP
Start	9332	End	9765
GI	none	Score	797
Exons	9332..9765		

Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76458	Strand	-
Start	1	End	200
Name	OJ990518_04.9C17.C58.o1.gp	Method	AAT/GAP
Start	1	End	200
GI	4715772	Score	370
Exons	1..200		

Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76459	Strand	-
Start	213	End	810
Name	OJ990518_04.9C17.C58.o1.gs	Method	GENSCAN
Start	213	End	810
GI	none	Score	.74
Exons	213..334, 399..519, 599..810		

Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76459	Strand	-
Start	213	End	810
Name	OJ990518_04.9C17.C58.o2.gp	Method	AAT/GAP
Start	240	End	690
GI	1632176	Score	715
Exons	240..690		

Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o3.tm	Method	TBLASTX:Maize
Start	380	End	666

GI	none	Score	184
Exons	380..664, 499..666		
Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o2.tc	Method	TBLASTX:Cress
Start	509	End	666
GI	none	Score	116
Exons	509..613, 511..666		
Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o3.ts	Method	TBLASTX:Soybean
Start	511	End	663
GI	none	Score	130
Exons	511..663, 512..658		
Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o1.tc	Method	TBLASTX:Cress
Start	7876	End	8127
GI	none	Score	279
Exons	7876..8127, 7881..8120		
Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o1.tm	Method	TBLASTX:Maize
Start	7876	End	8643
GI	none	Score	440
Exons	7876..8145, 7876..8145, 7881..8147, 8271..8477, 8272..8475, 8275..8514, 8277..8510, 8565..8639, 8566..8643		
Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o2.ts	Method	TBLASTX:Soybean
Start	7876	End	8121
GI	none	Score	286
Exons	7876..8121, 7881..8120		
Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o1.ts	Method	TBLASTX:Soybean
Start	8272	End	9463
GI	none	Score	90
Exons	8272..8397, 8344..8475, 8344..8508, 8565..8714, 8566..8748, 9190..9462, 9191..9463		
Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o2.tm	Method	TBLASTX:Maize

Start	8643	End	9463
GI	none	Score	167
Exons	8643..8729, 8644..8754, 9147..9341, 9151..9453, 9176..9463, 9176..9463		

Seq. No.	37228	Seq. ID	OJ990518_04.9C17.C58
Gene No.	76460	Strand	-
Start	10195	End	14292
Name	OJ990518_04.9C17.C58.o4.gs	Method	GENSCAN
Start	10195	End	14292
GI	none	Score	.64
Exons	10195..10811, 11986..12178, 13341..14091, 14220..14292		

Seq. No.	37229	Seq. ID	OJ990518_04.9C17.C60
Gene No.	76461	Strand	+
Start	793	End	857
Name	OJ990518_04.9C17.C60.o1.gs	Method	GENSCAN
Start	793	End	857
GI	none	Score	.58
Exons	793..857		

Seq. No.	37230	Seq. ID	OJ990518_04.9C17.C62
Gene No.	76462	Strand	+
Start	462	End	1052
Name	OJ990518_04.9C17.C62.o1.np	Method	AAT/NAP
Start	462	End	1052
GI	6539588	Score	225
Exons	462..771, 1031..1052		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	37230	Seq. ID	OJ990518_04.9C17.C62
Gene No.	76462	Strand	+
Start	462	End	1052
Name	OJ990518_04.9C17.C62.o1.gs	Method	GENSCAN
Start	489	End	715
GI	none	Score	.62
Exons	489..715		

Seq. No.	37231	Seq. ID	OJ990518_04.9C17.C67
Gene No.	76463	Strand	-
Start	1	End	195
Name	OJ990518_04.9C17.C67.o1.np	Method	AAT/NAP
Start	1	End	195
GI	2586082	Score	149
Exons	1..195		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	37232	Seq. ID	OJ990518_04.9C17.C70
Gene No.	76464	Strand	-
Start	140	End	458
Name	OJ990518_04.9C17.C70.o1.gs	Method	GENSCAN
Start	140	End	458
GI	none	Score	.98
Exons	140..258, 449..458		

Seq. No.	37233	Seq. ID	OJ990518_04.9C17.C72
Gene No.	76465	Strand	+

Start	96	End	776
Name	OJ990518_04.9C17.C72.o1.gp	Method	AAT/GAP
Start	96	End	776
GI	13412_1.R1084	Score	990
Exons	96..553, 650..776		
GI Descrip.	'4996842/dbj|BAA78580.1| 2.0e-32 (AB027501) Dcarg-1 [Daucus carota]'		

Seq. No.	37233	Seq. ID	OJ990518_04.9C17.C72
Gene No.	76465	Strand	+
Start	96	End	776
Name	OJ990518_04.9C17.C72.o1.gs	Method	GENSCAN
Start	197	End	553
GI	none	Score	.99
Exons	197..553		

Seq. No.	37233	Seq. ID	OJ990518_04.9C17.C72
Gene No.	76465	Strand	+
Start	96	End	776
Name	OJ990518_04.9C17.C72.o1.tm	Method	TBLASTX:Maize
Start	200	End	772
GI	none	Score	39
Exons	200..259, 259..459, 260..460, 470..556, 475..555, 668..772, 676..771		

Seq. No.	37233	Seq. ID	OJ990518_04.9C17.C72
Gene No.	76465	Strand	+
Start	96	End	776
Name	OJ990518_04.9C17.C72.o1.tw	Method	TBLASTX:Wheat
Start	212	End	460
GI	none	Score	278
Exons	212..460, 238..459		

Seq. No.	37233	Seq. ID	OJ990518_04.9C17.C72
Gene No.	76465	Strand	+
Start	96	End	776
Name	OJ990518_04.9C17.C72.o1.np	Method	AAT/NAP
Start	224	End	599
GI	4914340	Score	312
Exons	224..599		
GI Descrip.	(AC005489) F14N23.26 [Arabidopsis thaliana]		

Seq. No.	37233	Seq. ID	OJ990518_04.9C17.C72
Gene No.	76465	Strand	+
Start	96	End	776
Name	OJ990518_04.9C17.C72.o1.tc	Method	TBLASTX:Cress
Start	239	End	553
GI	none	Score	259
Exons	239..469, 448..549, 470..553, 482..553		

Seq. No.	37233	Seq. ID	OJ990518_04.9C17.C72
Gene No.	76465	Strand	+
Start	96	End	776
Name	OJ990518_04.9C17.C72.o1.ts	Method	TBLASTX:Soybean
Start	239	End	568
GI	none	Score	240
Exons	239..469, 244..462, 448..552, 473..568		

Seq. No.	37234	Seq. ID	OJ990518_04.9C17.C75
Gene No.	76466	Strand	+
Start	430	End	1500
Name	OJ990518_04.9C17.C75.o1.gs	Method	GENSCAN
Start	430	End	1500
GI	none	Score	.91
Exons	430..813, 846..1500		

Seq. No.	37235	Seq. ID	OJ990518_04.9C17.C79
Gene No.	76467	Strand	-
Start	274	End	459
Name	OJ990518_04.9C17.C79.o1.gs	Method	GENSCAN
Start	274	End	459
GI	none	Score	.91
Exons	274..300, 367..459		

Seq. No.	37236	Seq. ID	OJ990518_04.9C17.C81
Gene No.	76468	Strand	+
Start	135	End	417
Name	OJ990518_04.9C17.C81.o1.gs	Method	GENSCAN
Start	135	End	417
GI	none	Score	.91
Exons	135..239, 335..417		

Seq. No.	37237	Seq. ID	OJ990428_07.9C10.C1
Gene No.	76469	Strand	-
Start	134	End	898
Name	OJ990428_07.9C10.C1.o1.gs	Method	GENSCAN
Start	134	End	898
GI	none	Score	.93
Exons	134..229, 313..474, 566..898		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76470	Strand	+
Start	2170	End	8924
Name	OJ990428_07.9C10.C2.o1.np	Method	AAT/NAP
Start	2155	End	5444
GI	2586083	Score	1842
Exons	2155..2567, 2640..3889, 3962..4921, 5068..5444		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76470	Strand	+
Start	2170	End	8924
Name	OJ990428_07.9C10.C2.o2.gs	Method	GENSCAN
Start	2170	End	8924
GI	none	Score	.76
Exons	2170..4921, 5068..5438, 6149..6539, 6643..6712, 6731..6854, 7493..7727, 8845..8924		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76471	Strand	+
Start	11814	End	14288
Name	OJ990428_07.9C10.C2.o3.np	Method	AAT/NAP
Start	11814	End	14288
GI	6522592	Score	1363

Exons	11814..13561, 13634..14288		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76472	Strand	-
Start	582	End	1443
Name	OJ990428_07.9C10.C2.o1.gp	Method	AAT/GAP
Start	582	End	1443
GI	17718_1.R1084	Score	821
Exons	582..788, 1167..1443		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 8.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76473	Strand	-
Start	9890	End	10438
Name	OJ990428_07.9C10.C2.o2.gp	Method	AAT/GAP
Start	9672	End	10438
GI	705_7.R1084	Score	1323
Exons	9672..10438		
GI Descrip.	'1362183/pir||S56684 1.0e-39 histone H2B-6 - wheat >gi_531056_dbj_BAA07156_ (D37942) protein H2B-6 [Triticum aestivum]'		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76473	Strand	-
Start	9890	End	10438
Name	OJ990428_07.9C10.C2.o3.gs	Method	GENSCAN
Start	9890	End	10351
GI	none	Score	.98
Exons	9890..10351		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76473	Strand	-
Start	9890	End	10438
Name	OJ990428_07.9C10.C2.o2.np	Method	AAT/NAP
Start	9893	End	10351
GI	3913804	Score	683
Exons	9893..10351		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	2371	End	14286
GI	none	Score	118
Exons	2371..2646, 2380..2481, 2380..2652, 2380..2583, 2383..2652, 2389..2643, 2392..2562, 2392..2652, 2392..2523, 2494..2646, 2524..2574, 2664..2882, 2701..2946, 2710..2883, 2710..2946, 2715..2948, 2716..2973, 2722..2946, 2746..2826, 2910..3113, 2914..3135, 2965..3141, 2980..3150, 2980..3138, 2980..3150, 2989..3141, 3007..3141, 3145..3555, 3160..3435, 3256..3339, 3271..3618, 3274..3618, 3274..3627, 3274..3645, 3298..3558, 3325..3636, 3334..3501, 3409..3603, 3409..3648, 3436..3645,		

3447..3635, 3474..3617, 3520..3693, 3525..3626, 3643..3684,
3643..3912, 3643..4050, 3645..3683, 3646..4044, 3646..3813,
3646..3996, 3646..4044, 3646..3846, 3648..3827, 3661..4044,
3666..3899, 3700..4044, 3732..4043, 3732..3995, 3748..4044,
3769..3960, 3841..4044, 3853..3915, 4486..4566, 4585..4638,
4672..4839, 4890..4922, 5067..5177, 5176..5208, 6341..6547,
6347..6550, 6347..6553, 6347..6547, 6347..6553, 6365..6550,
6443..6538, 6574..6675, 6639..6839, 6639..6845, 6645..6815,
6657..6845, 6660..6686, 6660..6836, 6696..6845, 6723..6833,
7295..7375, 7387..7434, 7394..7432, 7487..7669, 7546..7635,
7696..7728, 7868..7957, 7979..7999, 12054..12317, 12060..12329,
12063..12326, 12063..12329, 12063..12329, 12153..12326,
12156..12260, 12168..12296, 12375..12617, 12381..12470,
12405..12602, 12489..12623, 12561..12806, 12630..12782,
12636..12836, 12636..12806, 12651..12812, 12651..12806,
12651..12812, 12678..12812, 12795..13106, 12816..12956,
12816..12929, 12849..12938, 12849..13166, 12921..13163,
12939..13010, 12942..12998, 12942..13085, 12945..13145,
12969..13154, 12977..13165, 13005..13148, 13005..13166,
13188..13298, 13189..13308, 13189..13290, 13192..13290,
13192..13275, 13192..13278, 13234..13290, 13302..13499,
13315..13722, 13315..13374, 13315..13719, 13315..13485,
13318..13518, 13318..13668, 13318..13722, 13318..13425,
13318..13722, 13322..13348, 13336..13581, 13338..13577,
13372..13560, 13420..13740, 13441..13632, 13453..13713,
13513..13716, 14155..14229, 14254..14286

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	2377	End	13719
GI	none	Score	92

Exons 2377..2583, 2746..2991, 2977..3066, 3094..3519, 3094..3348,
3108..3518, 3541..3858, 3652..3810, 3685..3771, 3685..3954,
6574..6633, 6671..6841, 12165..12254, 12237..12587,
12260..12589, 12372..12518, 12417..12620, 12624..12734,
12633..12806, 12763..13014, 12765..13163, 12791..13150,
12824..13165, 12945..13118, 12974..13117, 13213..13530,
13453..13698, 13488..13679, 13597..13719

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	2377	End	14286
GI	none	Score	128

Exons 2377..2646, 2377..2646, 2380..2646, 2383..2652, 2383..2646,
2392..2451, 2548..2652, 2694..2876, 2704..3135, 2704..2952,
2706..2951, 2710..2949, 2710..2865, 2710..2949, 2710..2946,
2710..2937, 2716..2835, 2740..2952, 2767..2952, 2788..2910,
2956..3141, 2965..3141, 2965..3066, 3007..3129, 3196..3636,
3214..3636, 3271..3423, 3274..3618, 3274..3636, 3274..4107,
3381..3608, 3388..3519, 3532..4044, 3645..4043, 3646..4044,
3646..4044, 4366..4467, 4492..4560, 4576..4644, 4672..4842,
4686..4826, 4873..4920, 4905..4922, 5067..5189, 6285..6347,
6341..6553, 6347..6538, 6347..6547, 6371..6553, 6574..6675,

6645..6785, 6645..6845, 6647..6757, 6651..6845, 6651..6842,
6660..6839, 6774..6851, 7277..7369, 7385..7453, 7493..7657,
7705..7728, 7868..7969, 12042..12326, 12063..12326,
12153..12326, 12156..12617, 12162..12329, 12222..12329,
12240..12608, 12278..12328, 12350..12391, 12365..12622,
12372..12608, 12375..12617, 12378..12806, 12624..12812,
12625..12681, 12627..12812, 12659..12790, 12668..12754,
12678..12797, 12702..12809, 12816..12947, 12867..13166,
12939..13163, 12945..13166, 12951..13163, 12954..13163,
12969..13145, 13058..13162, 13059..13163, 13171..13290,
13180..13308, 13188..13283, 13191..13574, 13191..13280,
13192..13779, 13192..13308, 13204..13716, 13315..13716,
13318..13731, 13318..13716, 13318..13626, 13477..13722,
13488..13787, 13560..13715, 13680..13778, 14035..14145,
14137..14229, 14248..14286

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	2377	End	13722
GI	none	Score	154
Exons	2377..2646, 2389..2652, 2413..2553, 2536..2646, 2539..2583,		

2598..2657, 2704..2946, 2704..2946, 2706..2879, 2710..2940,
2710..2949, 2710..2946, 2751..2948, 2962..3141, 2980..3141,
3034..3141, 3250..3645, 3268..3588, 3283..3609, 3309..3398,
3355..3636, 3381..3626, 3381..3614, 3381..3608, 3427..3645,
3520..3627, 3574..3618, 3643..4050, 3646..4026, 3646..4044,
3646..4050, 3861..3992, 3967..4044, 6326..6544, 6356..6562,
6356..6550, 6645..6845, 6660..6851, 12051..12329, 12063..12326,
12227..12340, 12362..12391, 12375..12620, 12375..12416,
12377..12565, 12378..12617, 12378..12617, 12426..12623,
12515..12619, 12623..12754, 12651..12812, 12651..12812,
12659..12766, 12660..12815, 12921..13163, 12939..13163,
12954..13163, 12954..13154, 12960..13106, 12969..13163,
13023..13157, 13168..13260, 13168..13308, 13183..13314,
13189..13314, 13192..13299, 13198..13281, 13315..13551,
13315..13722, 13318..13698, 13318..13716, 13318..13722,
13534..13722, 13548..13721

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	4465	End	14288
GI	none	Score	524
Exons	4465..4875, 4467..4841, 4495..4923, 4523..4891, 4581..4895,		

7276..7440, 7277..7450, 7292..7447, 7470..7568, 7490..7681,
7501..7716, 14134..14286, 14136..14288

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	5066	End	8230
GI	none	Score	165
Exons	5066..5239, 5067..5249, 5307..5426, 7867..7959, 7868..7957,		

8108..8230

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	9741	End	10166
GI	none	Score	43
Exons	9741..9797, 9896..10165, 9897..10166, 10026..10166, 10061..10165		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	9884	End	10166
GI	none	Score	316
Exons	9884..10165, 9894..10166		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	9887	End	10166
GI	none	Score	397
Exons	9887..10165, 9888..10166		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	9890	End	10166
GI	none	Score	297
Exons	9890..10165, 9894..10166		

Seq. No.	37238	Seq. ID	OJ990428_07.9C10.C2
Gene No.	76474	Strand	-
Start	13004	End	14288
Name	OJ990428_07.9C10.C2.o3.gp	Method	AAT/GAP
Start	13004	End	13421
GI	2310095	Score	770
Exons	13004..13421		
GI Descrip.	4115373 2.0e-17 (AC005967) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	37239	Seq. ID	OJ990428_07.9C10.C3
Gene No.	76475	Strand	+
Start	257	End	592
Name	OJ990428_07.9C10.C3.o1.gs	Method	GENSCAN
Start	257	End	592
GI	none	Score	.76
Exons	257..283, 349..492, 577..592		

Seq. No.	37239	Seq. ID	OJ990428_07.9C10.C3
Gene No.	76475	Strand	+
Start	257	End	592
Name	OJ990428_07.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	353	End	522

GI	none	Score	146
Exons	353..493, 353..487, 354..491, 355..519, 502..522		

Seq. No.	37240	Seq. ID	OJ990428_07.9C10.C4
Gene No.	76476	Strand	-
Start	208	End	730
Name	OJ990428_07.9C10.C4.o1.np	Method	AAT/NAP
Start	208	End	730
GI	3025870	Score	354
Exons	208..730		
GI Descrip.	(AF055706) ribosomal protein S4 [Oryza sativa]		

Seq. No.	37241	Seq. ID	OJ990428_07.9C10.C6
Gene No.	76477	Strand	+
Start	17	End	677
Name	OJ990428_07.9C10.C6.o1.gs	Method	GENSCAN
Start	17	End	677
GI	none	Score	.71
Exons	17..74, 667..677		

Seq. No.	37241	Seq. ID	OJ990428_07.9C10.C6
Gene No.	76478	Strand	-
Start	1	End	97
Name	OJ990428_07.9C10.C6.o1.gp	Method	AAT/GAP
Start	1	End	97
GI	none	Score	161
Exons	1..97		

Seq. No.	37242	Seq. ID	OJ990428_07.9C10.C7
Gene No.	76479	Strand	-
Start	410	End	688
Name	OJ990428_07.9C10.C7.o1.np	Method	AAT/NAP
Start	202	End	688
GI	2586083	Score	143
Exons	202..580, 637..688		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	37242	Seq. ID	OJ990428_07.9C10.C7
Gene No.	76479	Strand	-
Start	410	End	688
Name	OJ990428_07.9C10.C7.o1.gs	Method	GENSCAN
Start	410	End	532
GI	none	Score	.62
Exons	410..532		

Seq. No.	37243	Seq. ID	OJ990428_07.9C10.C9
Gene No.	76480	Strand	+
Start	1	End	233
Name	OJ990428_07.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	233
GI	3025870	Score	248
Exons	1..233		
GI Descrip.	(AF055706) ribosomal protein S4 [Oryza sativa]		

Seq. No.	37244	Seq. ID	OJ990428_07.9C10.C10
Gene No.	76481	Strand	+
Start	244	End	450

Name	OJ990428_07.9C10.C10.o1.gs	Method	GENSCAN
Start	244	End	450
GI	none	Score	.72
Exons	244..450		

Seq. No.	37245	Seq. ID	OJ990428_07.9C10.C18
Gene No.	76482	Strand	+
Start	1	End	687
Name	OJ990428_07.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	687
GI	2982431	Score	248
Exons	1..687		
GI Descrip.	(AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]		

Seq. No.	37245	Seq. ID	OJ990428_07.9C10.C18
Gene No.	76482	Strand	+
Start	1	End	687
Name	OJ990428_07.9C10.C18.o1.gs	Method	GENSCAN
Start	42	End	639
GI	none	Score	.65
Exons	42..384, 488..639		

Seq. No.	37246	Seq. ID	OJ990428_07.9C10.C19
Gene No.	76483	Strand	
Start	246	End	459
Name	OJ990428_07.9C10.C19.o1.tc	Method	TBLASTX:Cress
Start	246	End	459
GI	none	Score	143
Exons	246..386, 263..412, 265..453, 269..445, 271..459		

Seq. No.	37246	Seq. ID	OJ990428_07.9C10.C19
Gene No.	76483	Strand	
Start	246	End	459
Name	OJ990428_07.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	265	End	450
GI	none	Score	244
Exons	265..450, 272..445		

Seq. No.	37246	Seq. ID	OJ990428_07.9C10.C19
Gene No.	76483	Strand	
Start	246	End	459
Name	OJ990428_07.9C10.C19.o1.ts	Method	TBLASTX:Soybean
Start	265	End	453
GI	none	Score	104
Exons	265..453, 272..445		

Seq. No.	37247	Seq. ID	OJ990428_07.9C10.C22
Gene No.	76484	Strand	+
Start	175	End	465
Name	OJ990428_07.9C10.C22.o1.gs	Method	GENSCAN
Start	175	End	465
GI	none	Score	.44
Exons	175..465		

Seq. No.	37248	Seq. ID	OJ990428_07.9C10.C24
Gene No.	76485	Strand	-

Start	56	End	510
Name	OJ990428_07.9C10.C24.o1.gp	Method	AAT/GAP
Start	56	End	510
GI	705_7.R1084	Score	799
Exons	56..510		
GI Descrip.	'1362183/pir||S56684 1.0e-39 histone H2B-6 - wheat >gi_531056_dbj_BAA07156_ (D37942) protein H2B-6 [Triticum aestivum]'		

Seq. No.	37248	Seq. ID	OJ990428_07.9C10.C24
Gene No.	76485	Strand	-
Start	56	End	510
Name	OJ990428_07.9C10.C24.o1.tw	Method	TBLASTX:Wheat
Start	63	End	509
GI	none	Score	43
Exons	63..119, 218..502, 219..500, 318..509, 348..500, 383..499, 387..509		

Seq. No.	37248	Seq. ID	OJ990428_07.9C10.C24
Gene No.	76485	Strand	-
Start	56	End	510
Name	OJ990428_07.9C10.C24.o1.ts	Method	TBLASTX:Soybean
Start	206	End	505
GI	none	Score	315
Exons	206..505, 216..494		

Seq. No.	37248	Seq. ID	OJ990428_07.9C10.C24
Gene No.	76485	Strand	-
Start	56	End	510
Name	OJ990428_07.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	209	End	505
GI	none	Score	409
Exons	209..505, 210..503		

Seq. No.	37248	Seq. ID	OJ990428_07.9C10.C24
Gene No.	76485	Strand	-
Start	56	End	510
Name	OJ990428_07.9C10.C24.o1.gs	Method	GENSCAN
Start	212	End	457
GI	none	Score	.88
Exons	212..457		

Seq. No.	37248	Seq. ID	OJ990428_07.9C10.C24
Gene No.	76485	Strand	-
Start	56	End	510
Name	OJ990428_07.9C10.C24.o1.tc	Method	TBLASTX:Cress
Start	212	End	496
GI	none	Score	292
Exons	212..496, 216..494		

Seq. No.	37248	Seq. ID	OJ990428_07.9C10.C24
Gene No.	76485	Strand	-
Start	56	End	510
Name	OJ990428_07.9C10.C24.o1.np	Method	AAT/NAP
Start	215	End	510
GI	1362183	Score	447
Exons	215..510		

GI Descrip.	histone H2B-6 - wheat gi|531056|dbj|BAA07156| (D37942) protein H2B-6 [Triticum aestivum]		
Seq. No.	37249	Seq. ID	OJ990428_07.9C10.C26
Gene No.	76486	Strand	+
Start	162	End	480
Name	OJ990428_07.9C10.C26.o1.gs	Method	GENSCAN
Start	162	End	480
GI	none	Score	.49
Exons	162..268, 336..480		
Seq. No.	37249	Seq. ID	OJ990428_07.9C10.C26
Gene No.	76487	Strand	-
Start	1	End	857
Name	OJ990428_07.9C10.C26.o1.np	Method	AAT/NAP
Start	1	End	857
GI	4914318	Score	203
Exons	1..857		
GI Descrip.	(AC005489) F14N23.4 [Arabidopsis thaliana]		
Seq. No.	37249	Seq. ID	OJ990428_07.9C10.C26
Gene No.	76487	Strand	-
Start	1	End	857
Name	OJ990428_07.9C10.C26.o1.tm	Method	TBLASTX:Maize
Start	79	End	373
GI	none	Score	187
Exons	79..372, 80..373		
Seq. No.	37250	Seq. ID	OJ990428_07.9C10.C27
Gene No.	76488	Strand	+
Start	48	End	625
Name	OJ990428_07.9C10.C27.o1.gs	Method	GENSCAN
Start	48	End	625
GI	none	Score	.42
Exons	48..220, 603..625		
Seq. No.	37250	Seq. ID	OJ990428_07.9C10.C27
Gene No.	76489	Strand	-
Start	1	End	365
Name	OJ990428_07.9C10.C27.o1.np	Method	AAT/NAP
Start	1	End	365
GI	3236237	Score	124
Exons	1..144, 252..365		
GI Descrip.	(AC004684) putative oxidoreductase [Arabidopsis thaliana]		
Seq. No.	37250	Seq. ID	OJ990428_07.9C10.C27
Gene No.	76489	Strand	-
Start	1	End	365
Name	OJ990428_07.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	147
GI	none	Score	170
Exons	1..147, 8..145		
Seq. No.	37251	Seq. ID	OJ990428_07.9C10.C28
Gene No.	76490	Strand	-
Start	9	End	135
Name	OJ990428_07.9C10.C28.o1.gs	Method	GENSCAN

Start	9	End	135
GI	none	Score	.54
Exons	9..135		

Seq. No.	37252	Seq. ID	OJ990428_07.9C10.C29
Gene No.	76491	Strand	+
Start	136	End	545
Name	OJ990428_07.9C10.C29.o1.gs	Method	GENSCAN
Start	136	End	545
GI	none	Score	.59
Exons	136..269, 320..545		

Seq. No.	37253	Seq. ID	OJ990428_07.9C10.C30
Gene No.	76492	Strand	-
Start	471	End	1808
Name	OJ990428_07.9C10.C30.o1.gs	Method	GENSCAN
Start	471	End	1808
GI	none	Score	.85
Exons	471..1808		

Seq. No.	37253	Seq. ID	OJ990428_07.9C10.C30
Gene No.	76492	Strand	-
Start	471	End	1808
Name	OJ990428_07.9C10.C30.o1.gp	Method	AAT/GAP
Start	507	End	831
GI	428253	Score	635
Exons	507..831		

Seq. No.	37253	Seq. ID	OJ990428_07.9C10.C30
Gene No.	76492	Strand	-
Start	471	End	1808
Name	OJ990428_07.9C10.C30.o1.tm	Method	TBLASTX:Maize
Start	1584	End	1785
GI	none	Score	220
Exons	1584..1724, 1585..1749, 1590..1763, 1591..1785		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76493	Strand	+
Start	234	End	304
Name	OJ990428_07.9C10.C31.o1.gp	Method	AAT/GAP
Start	234	End	304
GI	3762464	Score	81
Exons	234..304		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76494	Strand	+
Start	437	End	2689
Name	OJ990428_07.9C10.C31.o1.gs	Method	GENSCAN
Start	437	End	2689
GI	none	Score	.74
Exons	437..556, 1058..1084, 1150..1293, 2506..2689		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o2.tm	Method	TBLASTX:Maize
Start	1154	End	1323

GI	none	Score	146
Exons	1154..1294, 1154..1288, 1156..1320, 1303..1323		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o2.gs	Method	GENSCAN
Start	5490	End	6816
GI	none	Score	.52
Exons	5490..5579, 5624..5812, 6126..6190, 6351..6816		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o2.gp	Method	AAT/GAP
Start	5836	End	7037
GI	1742_1.R1084	Score	2066
Exons	5836..6190, 6277..7037		
GI Descrip.	'2144098/pir||I56573 4.0e-40 SC2 - rat >gi_256994_bbs_115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa] [Rattus sp.]'		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o1.tm	Method	TBLASTX:Maize
Start	6113	End	7031
GI	none	Score	116
Exons	6113..6181, 6114..6191, 6275..6439, 6277..7029, 6277..7023, 6279..7031		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o2.tc	Method	TBLASTX:Cress
Start	6122	End	6510
GI	none	Score	40
Exons	6122..6151, 6122..6157, 6149..6181, 6156..6188, 6277..6369, 6278..6376, 6373..6474, 6374..6439, 6457..6510		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o1.np	Method	AAT/NAP
Start	6125	End	6894
GI	2144098	Score	393
Exons	6125..6175, 6277..6894		
GI Descrip.	SC2 - rat gi|256994|bbs|115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa] [Rattus sp.]		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o2.ts	Method	TBLASTX:Soybean
Start	6247	End	6442
GI	none	Score	160
Exons	6247..6441, 6259..6441, 6278..6442		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o1.ts	Method	TBLASTX:Soybean
Start	6442	End	6708
GI	none	Score	157
Exons	6442..6708, 6448..6693, 6485..6706		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o1.tc	Method	TBLASTX:Cress
Start	6724	End	7023
GI	none	Score	106
Exons	6724..6909, 6731..7021, 6733..7023		

Seq. No.	37254	Seq. ID	OJ990428_07.9C10.C31
Gene No.	76495	Strand	-
Start	5490	End	7037
Name	OJ990428_07.9C10.C31.o3.ts	Method	TBLASTX:Soybean
Start	6805	End	7020
GI	none	Score	111
Exons	6805..7020, 6806..6907, 6932..7018		

Seq. No.	37255	Seq. ID	OJ990428_07.9C10.C32
Gene No.	76496	Strand	+
Start	4003	End	6552
Name	OJ990428_07.9C10.C32.o2.gs	Method	GENSCAN
Start	4003	End	6441
GI	none	Score	.83
Exons	4003..4068, 4820..5119, 5226..5357, 6206..6281, 6383..6441		

Seq. No.	37255	Seq. ID	OJ990428_07.9C10.C32
Gene No.	76496	Strand	+
Start	4003	End	6552
Name	OJ990428_07.9C10.C32.o2.np	Method	AAT/NAP
Start	4877	End	6552
GI	3355484	Score	160
Exons	4877..5119, 6206..6281, 6383..6552		
GI Descrip.	(AC004218) putative geranylgeranyl transferase type I beta subunit [Arabidopsis thaliana]		

Seq. No.	37255	Seq. ID	OJ990428_07.9C10.C32
Gene No.	76497	Strand	-
Start	67	End	3000
Name	OJ990428_07.9C10.C32.o1.gp	Method	AAT/GAP
Start	67	End	3000
GI	1742_1.R1084	Score	891
Exons	67..367, 2557..2596, 2811..3000		
GI Descrip.	'2144098/pir||I56573 4.0e-40 SC2 - rat >gi_256994_bbs_115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa] [Rattus sp.]'		

Seq. No.	37255	Seq. ID	OJ990428_07.9C10.C32
Gene No.	76497	Strand	-
Start	67	End	3000

Name	OJ990428_07.9C10.C32.o1.tm	Method	TBLASTX:Maize
Start	67	End	2601
GI	none	Score	422
Exons	67..366, 69..368, 69..365, 2536..2601		

Seq. No.	37255	Seq. ID	OJ990428_07.9C10.C32
Gene No.	76497	Strand	-
Start	67	End	3000
Name	OJ990428_07.9C10.C32.o1.tc	Method	TBLASTX:Cress
Start	67	End	369
GI	none	Score	255
Exons	67..369, 69..365		

Seq. No.	37255	Seq. ID	OJ990428_07.9C10.C32
Gene No.	76497	Strand	-
Start	67	End	3000
Name	OJ990428_07.9C10.C32.o1.np	Method	AAT/NAP
Start	120	End	394
GI	1078828	Score	102
Exons	120..394		
GI Descrip.	SC2 protein - Caenorhabditis briggsae (fragments)		

Seq. No.	37255	Seq. ID	OJ990428_07.9C10.C32
Gene No.	76497	Strand	-
Start	67	End	3000
Name	OJ990428_07.9C10.C32.o1.ts	Method	TBLASTX:Soybean
Start	141	End	362
GI	none	Score	112
Exons	141..362, 142..252, 268..354		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+
Start	1	End	16395
Name	OJ990428_07.9C10.C33.o1.np	Method	AAT/NAP
Start	1	End	2880
GI	3355484	Score	720
Exons	1..42, 348..423, 525..583, 694..833, 1375..1430, 1517..1593, 1692..1737, 1906..2030, 2388..2455, 2550..2637, 2730..2880		
GI Descrip.	(AC004218) putative geranylgeranyl transferase type I beta subunit [Arabidopsis thaliana]		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+
Start	1	End	16395
Name	OJ990428_07.9C10.C33.o1.gs	Method	GENSCAN
Start	348	End	16270
GI	none	Score	66
Exons	348..423, 525..583, 694..833, 1375..1430, 1517..1593, 1692..1737, 1933..2020, 2550..2728, 3300..3548, 3733..3859, 3951..4062, 5682..5735, 5886..5956, 6060..6141, 6246..6342, 7233..7377, 8343..8471, 8513..8624, 9499..9552, 9762..9871, 9998..10079, 11702..11844, 11849..11992, 12181..12313, 13142..13225, 13482..13507, 13813..13890, 14155..14324, 14777..14807, 16189..16270		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+

Start	1	End	16395
Name	OJ990428_07.9C10.C33.o1.gp	Method	AAT/GAP
Start	1682	End	3112
GI	16788_1.R1084	Score	1339
Exons	1682..1737, 1898..2030, 2388..2455, 2550..2637, 2730..3112		
GI Descrip.	'3355484 2.0e-40 (AC004218) putative geranylgeranyl transferase type I beta subunit [Arabidopsis thaliana]'		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+
Start	1	End	16395
Name	OJ990428_07.9C10.C33.o2.np	Method	AAT/NAP
Start	3428	End	10493
GI	6851207	Score	175
Exons	3428..3531, 7266..7373, 8369..8420, 8513..8624, 9044..9166, 9762..9871, 9998..10079, 10178..10274, 10412..10493		
GI Descrip.	(AF162707) protein tyrosine phosphatase-like protein PTPLA [Ovis aries]		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+
Start	1	End	16395
Name	OJ990428_07.9C10.C33.o1.tc	Method	TBLASTX:Cress
Start	3786	End	16048
GI	none	Score	87
Exons	3786..3860, 3952..4065, 5200..5292, 5201..5293, 5202..5300, 5203..5301, 5679..5738, 5858..5956, 5886..5957, 6057..6155, 6058..6153, 6240..6350, 6243..6344, 6251..6349, 6456..6500, 8347..8442, 8514..8627, 9061..9159, 9062..9160, 9496..9555, 9768..9854, 9968..10090, 9996..10085, 10175..10279, 10175..10276, 13817..13894, 14154..14255, 14156..14272, 15101..15199, 15102..15200, 15992..16048		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+
Start	1	End	16395
Name	OJ990428_07.9C10.C33.o1.tm	Method	TBLASTX:Maize
Start	3786	End	16395
GI	none	Score	124
Exons	3786..3860, 3788..3859, 3931..4065, 3952..4065, 5173..5292, 5202..5288, 5202..5300, 5203..5301, 5676..5735, 5679..5738, 5840..5956, 5883..5957, 5886..5957, 6057..6161, 6058..6147, 6226..6300, 6240..6350, 6240..6338, 6245..6349, 6455..6547, 6460..6546, 8346..8420, 8347..8424, 8504..8623, 8508..8627, 8514..8627, 9061..9165, 9062..9166, 9066..9176, 9496..9555, 9768..9854, 9799..9873, 9803..9874, 9803..9871, 9968..10078, 9977..10081, 9996..10085, 10175..10279, 10175..10276, 13816..13890, 13817..13894, 14150..14269, 14156..14272, 15098..15181, 15099..15191, 15101..15199, 15102..15200, 15992..16048, 15997..16068, 15997..16065, 16159..16293, 16189..16272, 16196..16276, 16360..16395		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+
Start	1	End	16395
Name	OJ990428_07.9C10.C33.o1.tw	Method	TBLASTX:Wheat
Start	3804	End	15196

GI	none	Score	92
Exons	3804..3860, 3806..3859, 3931..4065, 3952..4065, 5196..5291, 5202..5291, 5203..5307, 8347..8424, 8383..8421, 8514..8627, 8540..8623, 9044..9151, 9061..9156, 9062..9151, 13817..13894, 13925..13966, 14150..14272, 14156..14272, 15083..15196, 15102..15191		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+
Start	1	End	16395
Name	OJ990428_07.9C10.C33.o2.gp	Method	AAT/GAP
Start	4031	End	6764
GI	4151_1.R1084	Score	1249
Exons	4031..4062, 5204..5292, 5682..5735, 5886..5956, 6060..6141, 6246..6342, 6463..6764		
GI Descrip.	'2384956 2.0e-30 (AF022985) No definition line found [Caenorhabditis elegans]'		

Seq. No.	37256	Seq. ID	OJ990428_07.9C10.C33
Gene No.	76498	Strand	+
Start	1	End	16395
Name	OJ990428_07.9C10.C33.o1.ts	Method	TBLASTX:Soybean
Start	5194	End	16395
GI	none	Score	67
Exons	5194..5292, 5196..5288, 5196..5300, 5203..5307, 5207..5314, 5679..5738, 5885..5956, 5886..5957, 6057..6137, 6058..6147, 6240..6371, 6254..6349, 6455..6535, 6456..6500, 9044..9151, 9061..9159, 9061..9159, 9062..9160, 9496..9555, 9768..9854, 9803..9874, 9812..9871, 9977..10075, 9996..10085, 10170..10277, 10175..10279, 10175..10276, 15083..15199, 15102..15200, 15992..16048, 16006..16065, 16168..16293, 16196..16276, 16360..16395		

Seq. No.	37257	Seq. ID	OJ990428_07.9C10.C34
Gene No.	76499	Strand	+
Start	55	End	330
Name	OJ990428_07.9C10.C34.o1.tm	Method	TBLASTX:Maize
Start	25	End	330
GI	none	Score	68
Exons	25..159, 55..138, 62..142, 226..330, 226..327		

Seq. No.	37257	Seq. ID	OJ990428_07.9C10.C34
Gene No.	76499	Strand	+
Start	55	End	330
Name	OJ990428_07.9C10.C34.o1.gs	Method	GENSCAN
Start	55	End	325
GI	none	Score	.53
Exons	55..136, 229..325		

Seq. No.	37258	Seq. ID	OJ990428_07.9C10.C35
Gene No.	76500	Strand	+
Start	1	End	1695
Name	OJ990428_07.9C10.C35.o1.np	Method	AAT/NAP
Start	1	End	1695
GI	5777623	Score	1012
Exons	1..675, 1464..1695		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	37258	Seq. ID	OJ990428_07.9C10.C35
Gene No.	76501	Strand	+
Start	2038	End	7017
Name	OJ990428_07.9C10.C35.o2.np	Method	AAT/NAP
Start	1832	End	7017
GI	5295955	Score	932
Exons	1832..1861, 3040..3146, 4284..4423, 4966..5080, 5761..5900, 5989..6286, 6366..6416, 6456..7017		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	37258	Seq. ID	OJ990428_07.9C10.C35
Gene No.	76501	Strand	+
Start	2038	End	7017
Name	OJ990428_07.9C10.C35.o2.gs	Method	GENSCAN
Start	2038	End	2529
GI	none	Score	.6
Exons	2038..2047, 2456..2529		

Seq. No.	37258	Seq. ID	OJ990428_07.9C10.C35
Gene No.	76502	Strand	-
Start	46	End	711
Name	OJ990428_07.9C10.C35.o1.gs	Method	GENSCAN
Start	46	End	711
GI	none	Score	.54
Exons	46..382, 497..711		

Seq. No.	37258	Seq. ID	OJ990428_07.9C10.C35
Gene No.	76503	Strand	-
Start	2812	End	6538
Name	OJ990428_07.9C10.C35.o3.gs	Method	GENSCAN
Start	2812	End	6538
GI	none	Score	.5
Exons	2812..3954, 4005..4200, 4384..4420, 5899..5990, 6204..6287, 6448..6538		

Seq. No.	37259	Seq. ID	OJ990428_07.9C10.C36
Gene No.	76504	Strand	+
Start	1066	End	4223
Name	OJ990428_07.9C10.C36.o1.gs	Method	GENSCAN
Start	1066	End	4223
GI	none	Score	.57
Exons	1066..1128, 1401..1769, 2951..3015, 3151..3262, 3733..3755, 4052..4223		

Seq. No.	37259	Seq. ID	OJ990428_07.9C10.C36
Gene No.	76505	Strand	-
Start	5134	End	9330
Name	OJ990428_07.9C10.C36.o1.tc	Method	TBLASTX:Cress
Start	2936	End	6935
GI	none	Score	102
Exons	2936..3028, 5707..5823, 5726..5824, 6165..6224, 6444..6518, 6604..6726, 6632..6715, 6807..6935, 6807..6908		

Seq. No.	37259	Seq. ID	OJ990428_07.9C10.C36
Gene No.	76505	Strand	-

Start	5134	End	9330
Name	OJ990428_07.9C10.C36.o1.tm	Method	TBLASTX:Maize
Start	2951	End	6935
GI	none	Score	106
Exons	2951..3028, 2966..3016, 3122..3265, 3144..3266, 3151..3261, 3155..3265, 5722..5823, 5726..5824, 6444..6518, 6445..6519, 6449..6520, 6449..6517, 6604..6717, 6604..6714, 6612..6719, 6807..6935, 6807..6908, 6809..6910		

Seq. No.	37259	Seq. ID	OJ990428_07.9C10.C36
Gene No.	76505	Strand	-
Start	5134	End	9330
Name	OJ990428_07.9C10.C36.o2.gs	Method	GENSCAN
Start	5134	End	9330
GI	none	Score	.59
Exons	5134..5293, 5711..5810, 6260..6329, 8853..8934, 9034..9102, 9143..9330		

Seq. No.	37259	Seq. ID	OJ990428_07.9C10.C36
Gene No.	76505	Strand	-
Start	5134	End	9330
Name	OJ990428_07.9C10.C36.o1.ts	Method	TBLASTX:Soybean
Start	5707	End	6941
GI	none	Score	128
Exons	5707..5823, 5726..5824, 6165..6224, 6444..6518, 6458..6517, 6613..6711, 6632..6715, 6807..6935, 6807..6941		

Seq. No.	37260	Seq. ID	OJ990428_07.9C10.C37
Gene No.	76506	Strand	+
Start	1386	End	2178
Name	OJ990428_07.9C10.C37.o1.gp	Method	AAT/GAP
Start	1386	End	2178
GI	63142_1.R1084	Score	559
Exons	1386..1562, 2067..2178		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	37260	Seq. ID	OJ990428_07.9C10.C37
Gene No.	76507	Strand	-
Start	1364	End	3161
Name	OJ990428_07.9C10.C37.o1.gs	Method	GENSCAN
Start	1364	End	3161
GI	none	Score	.7
Exons	1364..1486, 2979..3161		

Seq. No.	37261	Seq. ID	OJ990428_07.9C10.C38
Gene No.	76508	Strand	+
Start	216	End	422
Name	OJ990428_07.9C10.C38.o1.gs	Method	GENSCAN
Start	216	End	422
GI	none	Score	.72
Exons	216..422		

Seq. No.	37262	Seq. ID	OJ990428_07.9C10.C41
Gene No.	76509	Strand	+
Start	107	End	789
Name	OJ990428_07.9C10.C41.o1.gs	Method	GENSCAN

Start	107	End	789
GI	none	Score	.86
Exons	107..162, 617..789		

Seq. No.	37262	Seq. ID	OJ990428_07.9C10.C41
Gene No.	76510	Strand	-
Start	1	End	934
Name	OJ990428_07.9C10.C41.o1.np	Method	AAT/NAP
Start	1	End	934
GI	3236237	Score	464
Exons	1..182, 278..357, 478..713, 821..934		
GI Descrip.	(AC004684) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	37262	Seq. ID	OJ990428_07.9C10.C41
Gene No.	76510	Strand	-
Start	1	End	934
Name	OJ990428_07.9C10.C41.o1.gp	Method	AAT/GAP
Start	55	End	302
GI	4879983	Score	256
Exons	55..182, 278..302		
GI Descrip.	629592/pir||S42651 5.0e-25 hypothetical protein - rape >gi_6065752_emb_CAB58175.1_ (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]		

Seq. No.	37262	Seq. ID	OJ990428_07.9C10.C41
Gene No.	76510	Strand	-
Start	1	End	934
Name	OJ990428_07.9C10.C41.o1.tm	Method	TBLASTX:Maize
Start	55	End	716
GI	none	Score	179
Exons	55..183, 56..184, 56..190, 276..356, 277..360, 474..713, 475..714, 478..714, 510..716		

Seq. No.	37262	Seq. ID	OJ990428_07.9C10.C41
Gene No.	76510	Strand	-
Start	1	End	934
Name	OJ990428_07.9C10.C41.o1.tc	Method	TBLASTX:Cress
Start	55	End	754
GI	none	Score	93
Exons	55..180, 55..183, 83..184, 276..356, 277..360, 474..713, 475..714, 510..716, 620..754		

Seq. No.	37262	Seq. ID	OJ990428_07.9C10.C41
Gene No.	76510	Strand	-
Start	1	End	934
Name	OJ990428_07.9C10.C41.o1.ts	Method	TBLASTX:Soybean
Start	58	End	716
GI	none	Score	104
Exons	58..183, 59..184, 275..340, 276..356, 276..356, 277..360, 468..713, 475..714, 484..714, 510..716		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76511	Strand	+
Start	845	End	1066
Name	OJ990428_07.9C10.C42.o1.gs	Method	GENSCAN
Start	845	End	1066
GI	none	Score	.71

Exons	845..1066		
Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76512	Strand	+
Start	11115	End	11489
Name	OJ990428_07.9C10.C42.o3.gp	Method	AAT/GAP
Start	11115	End	11489
GI	none	Score	722
Exons	11115..11489		
Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76513	Strand	-
Start	6363	End	10450
Name	OJ990428_07.9C10.C42.o1.gp	Method	AAT/GAP
Start	5868	End	6284
GI	none	Score	688
Exons	5868..6284		
Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76513	Strand	-
Start	6363	End	10450
Name	OJ990428_07.9C10.C42.o2.gp	Method	AAT/GAP
Start	6324	End	7071
GI	4879981	Score	587
Exons	6324..6544, 6965..7071		
Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76513	Strand	-
Start	6363	End	10450
Name	OJ990428_07.9C10.C42.o2.gs	Method	GENSCAN
Start	6363	End	10450
GI	none	Score	.75
Exons	6363..6544, 7207..7270, 8681..8781, 9475..9613, 10168..10355, 10390..10450		
Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76514	Strand	-
Start	10941	End	20758
Name	OJ990428_07.9C10.C42.o3.gs	Method	GENSCAN
Start	10941	End	18572
GI	none	Score	.46
Exons	10941..11039, 11290..11502, 12095..12220, 12460..12592, 12687..12922, 13012..13530, 18111..18572		
Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76514	Strand	-
Start	10941	End	20758
Name	OJ990428_07.9C10.C42.o1.np	Method	AAT/NAP
Start	11251	End	20748
GI	3080433	Score	1274
Exons	11251..11502, 12083..12220, 12322..12592, 12687..12922, 13012..13530, 18096..18353, 20665..20748		
GI Descrip.	(AL022605) putative gamma-glutamyltransferase [Arabidopsis thaliana]		
Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76514	Strand	-

Start	10941	End	20758
Name	OJ990428_07.9C10.C42.o6.gp	Method	AAT/GAP
Start	20021	End	20272
GI	4715034	Score	409
Exons	20021..20272		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76514	Strand	-
Start	10941	End	20758
Name	OJ990428_07.9C10.C42.o4.gs	Method	GENSCAN
Start	20348	End	20758
GI	none	Score	.55
Exons	20348..20758		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o3.tm	Method	TBLASTX:Maize
Start	6332	End	7000
GI	none	Score	219
Exons	6332..6544, 6333..6542, 6344..6544, 6962..7000		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o4.ts	Method	TBLASTX:Soybean
Start	6450	End	7253
GI	none	Score	109
Exons	6450..6545, 6452..6544, 6959..7099, 6962..7120, 6963..7121, 7187..7252, 7206..7253		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o3.tc	Method	TBLASTX:Cress
Start	6497	End	9638
GI	none	Score	167
Exons	6497..6544, 7397..7450, 7534..7587, 7677..7736, 7786..7872, 8012..8119, 8560..8700, 8577..8726, 8579..8782, 8583..8792, 9521..9568, 9621..9638		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o2.tc	Method	TBLASTX:Cress
Start	6921	End	7396
GI	none	Score	140
Exons	6921..7100, 6951..7100, 6958..7107, 6959..7120, 7187..7273, 7200..7286, 7355..7396		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o1.tm	Method	TBLASTX:Maize
Start	7001	End	8764
GI	none	Score	137
Exons	7001..7099, 7005..7100, 7018..7104, 7187..7273, 7206..7286,		

7355..7459, 7374..7460, 7513..7587, 7530..7589, 7553..7591,
7665..7754, 7677..7772, 7678..7764, 7828..7872, 7832..7873,
7840..7875, 8012..8101, 8013..8090, 8018..8098, 8579..8764,
8586..8762

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o3.ts	Method	TBLASTX:Soybean
Start	7819	End	9613
GI	none	Score	125
Exons	7819..7872, 8012..8119, 8579..8782, 8586..8792, 9498..9599, 9521..9613		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o1.tc	Method	TBLASTX:Cress
Start	11254	End	22553
GI	none	Score	166
Exons	11254..11337, 11350..11514, 12083..12226, 12314..12595, 12322..12591, 12680..12871, 12705..12872, 13010..13144, 13048..13380, 13384..13533, 13385..13528, 18114..18200, 18172..18210, 18183..18356, 18199..18333, 21140..21283, 21360..21437, 21362..21436, 21422..21625, 21423..21629, 21721..21897, 21776..21898, 21945..22400, 21985..22314, 22404..22553, 22405..22548		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o5.tm	Method	TBLASTX:Maize
Start	11344	End	21281
GI	none	Score	151
Exons	11344..11514, 11347..11514, 12078..12176, 12083..12223, 12083..12223, 20546..20704, 20548..20706, 21135..21281, 21140..21280		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o2.ts	Method	TBLASTX:Soybean
Start	12322	End	21571
GI	none	Score	62
Exons	12322..12378, 12421..12537, 12434..12535, 21360..21569, 21362..21571		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o1.ts	Method	TBLASTX:Soybean
Start	12538	End	22331
GI	none	Score	52
Exons	12538..12594, 12539..12601, 12680..12922, 12705..12878, 13010..13165, 13048..13311, 21572..21628, 21573..21629, 21721..21954, 21731..21904, 22029..22331, 22030..22311		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o2.tm	Method	TBLASTX:Maize
Start	12743	End	22226
GI	none	Score	192
Exons	12743..12922, 12744..12923, 12817..12924, 13016..13165, 13048..13173, 21769..21948, 21770..21946, 21843..21953, 22029..22193, 22029..22193, 22036..22194, 22197..22226, 22197..22226		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o4.tm	Method	TBLASTX:Maize
Start	13174	End	22494
GI	none	Score	87
Exons	13174..13374, 13177..13407, 13214..13411, 13384..13491, 13385..13474, 22233..22394, 22234..22311, 22236..22340, 22404..22493, 22405..22494		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o5.ts	Method	TBLASTX:Soybean
Start	13381	End	22563
GI	none	Score	109
Exons	13381..13533, 13382..13564, 18114..18200, 18160..18339, 18177..18338, 22401..22553, 22402..22563		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o5.gs	Method	GENSCAN
Start	21117	End	26463
GI	none	Score	.81
Exons	21117..21596, 21754..21948, 22032..22550, 24195..24701, 25025..25060, 25339..25387, 26285..26463		

Seq. No.	37263	Seq. ID	OJ990428_07.9C10.C42
Gene No.	76515	Strand	-
Start	21117	End	26463
Name	OJ990428_07.9C10.C42.o7.gp	Method	AAT/GAP
Start	24399	End	24736
GI	4715033	Score	664
Exons	24399..24736		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76516	Strand	+
Start	72	End	194
Name	OJ990428_07.9C10.C43.o1.gs	Method	GENSCAN
Start	72	End	194
GI	none	Score	.86
Exons	72..194		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-

Start	800	End	4671
Name	OJ990428_07.9C10.C43.o1.gp	Method	AAT/GAP
Start	800	End	1993
GI	13573_1.R1084	Score	1497
Exons	800..1201, 1367..1509, 1661..1784, 1859..1993		
GI Descrip.	'2231046/emb|CAA73179| 1.0e-15 (Y12618) PPF-1 protein [Pisum sativum]'		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o2.gs	Method	GENSCAN
Start	1408	End	4652
GI	none	Score	.84
Exons	1408..1512, 1661..1784, 1859..2008, 2163..2266, 2365..2397, 3021..3094, 3321..3381, 3589..3663, 3755..3865, 4287..4652		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o1.np	Method	AAT/NAP
Start	1414	End	4671
GI	2209332	Score	1141
Exons	1414..1505, 1657..1784, 1859..2008, 2163..2266, 2365..2472, 2839..2943, 3021..3094, 3321..3381, 3589..3663, 3755..3865, 4287..4360, 4394..4671		
GI Descrip.	(U89272) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana] gi|3927828|gb|AAC79585.1| (AC005727) chloroplast membrane protein (ALBINO3) [Arabidopsis thaliana]		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o1.tc	Method	TBLASTX:Cress
Start	1739	End	4352
GI	none	Score	132
Exons	1739..1786, 1856..2008, 1858..2004, 1861..2010, 2162..2269, 2163..2267, 2205..2273, 2210..2275, 2311..2472, 2369..2473, 2369..2473, 2837..2944, 2837..2944, 2839..2946, 2839..2955, 2922..2975, 2965..3096, 2976..3101, 3021..3104, 3314..3385, 3319..3381, 3587..3664, 3588..3659, 3589..3666, 3589..3663, 3740..3883, 3753..3860, 4284..4352		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o1.ts	Method	TBLASTX:Soybean
Start	1739	End	2491
GI	none	Score	135
Exons	1739..1786, 1856..2008, 1857..2009, 1858..2010, 1858..2007, 2153..2260, 2163..2261, 2365..2481, 2365..2481, 2369..2491		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o1.tm	Method	TBLASTX:Maize
Start	1760	End	3802

GI	none	Score	188
Exons	1760..1786, 1873..2007, 1874..2008, 1877..2008, 1878..2009, 2153..2269, 2163..2267, 2209..2268, 2365..2472, 2369..2473, 2369..2473, 2370..2474, 2837..2944, 2838..2945, 2839..2946, 2839..2955, 2976..3101, 2977..3102, 3020..3136, 3314..3382, 3319..3381, 3320..3382, 3321..3398, 3589..3663, 3596..3664, 3740..3802, 3753..3800		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o2.gp	Method	AAT/GAP
Start	2412	End	4375
GI	uC-osroM202021b01b1	Score	978
Exons	2412..2472, 2839..2943, 3021..3094, 3321..3381, 3589..3663, 3755..3865, 4287..4375		
GI Descrip.	'2209332 6.0e-76 (U89272) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana] >gi_3927828 (AC005727) chloroplast membrane protein ALBINO3 [Arabidopsis thaliana]'		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o3.ts	Method	TBLASTX:Soybean
Start	2837	End	3378
GI	none	Score	149
Exons	2837..2944, 2837..2944, 2839..2955, 2976..3101, 2977..3096, 3319..3378		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o2.ts	Method	TBLASTX:Soybean
Start	3592	End	4352
GI	none	Score	79
Exons	3592..3663, 3596..3664, 3740..3883, 3753..3866, 3785..3883, 4284..4352		

Seq. No.	37264	Seq. ID	OJ990428_07.9C10.C43
Gene No.	76517	Strand	-
Start	800	End	4671
Name	OJ990428_07.9C10.C43.o3.gp	Method	AAT/GAP
Start	4436	End	4671
GI	none	Score	440
Exons	4436..4671		

Seq. No.	37265	Seq. ID	OJ990428_07.9C10.C44
Gene No.	76518	Strand	-
Start	1501	End	3114
Name	OJ990428_07.9C10.C44.o1.gs	Method	GENSCAN
Start	1501	End	3114
GI	none	Score	.49
Exons	1501..2155, 2303..2435, 2463..3114		

Seq. No.	37265	Seq. ID	OJ990428_07.9C10.C44
Gene No.	76518	Strand	-
Start	1501	End	3114

Name	OJ990428_07.9C10.C44.o1.ts	Method	TBLASTX:Soybean
Start	1501	End	2817
GI	none	Score	393
Exons	1501..1536, 1537..2106, 1538..2098, 2122..2160, 2143..2625, 2197..2607, 2225..2617, 2620..2736, 2621..2734, 2776..2817		

Seq. No.	37265	Seq. ID	OJ990428_07.9C10.C44
Gene No.	76518	Strand	-
Start	1501	End	3114
Name	OJ990428_07.9C10.C44.o1.np	Method	AAT/NAP
Start	1504	End	3108
GI	3236240	Score	1565
Exons	1504..2766, 2797..2957, 3033..3108		
GI Descrip.	(AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	37265	Seq. ID	OJ990428_07.9C10.C44
Gene No.	76518	Strand	-
Start	1501	End	3114
Name	OJ990428_07.9C10.C44.o2.tm	Method	TBLASTX:Maize
Start	1534	End	1845
GI	none	Score	273
Exons	1534..1845, 1535..1843		

Seq. No.	37265	Seq. ID	OJ990428_07.9C10.C44
Gene No.	76518	Strand	-
Start	1501	End	3114
Name	OJ990428_07.9C10.C44.o2.tc	Method	TBLASTX:Cress
Start	1537	End	1929
GI	none	Score	53
Exons	1537..1581, 1538..1582, 1562..1924, 1573..1929, 1574..1918		

Seq. No.	37265	Seq. ID	OJ990428_07.9C10.C44
Gene No.	76518	Strand	-
Start	1501	End	3114
Name	OJ990428_07.9C10.C44.o1.tm	Method	TBLASTX:Maize
Start	1848	End	2873
GI	none	Score	66
Exons	1848..1904, 1849..2163, 1850..2149, 1944..2168, 2172..2768, 2174..2770, 2176..2805, 2225..2734, 2740..2859, 2743..2859, 2759..2872, 2760..2873		

Seq. No.	37265	Seq. ID	OJ990428_07.9C10.C44
Gene No.	76518	Strand	-
Start	1501	End	3114
Name	OJ990428_07.9C10.C44.o1.tw	Method	TBLASTX:Wheat
Start	2122	End	2527
GI	none	Score	99
Exons	2122..2151, 2175..2519, 2178..2195, 2187..2303, 2194..2523, 2194..2523, 2231..2527		

Seq. No.	37265	Seq. ID	OJ990428_07.9C10.C44
Gene No.	76518	Strand	-
Start	1501	End	3114
Name	OJ990428_07.9C10.C44.o1.tc	Method	TBLASTX:Cress
Start	2228	End	2841
GI	none	Score	52
Exons	2228..2281, 2233..2283, 2275..2361, 2285..2335, 2338..2622,		

2339..2623, 2608..2739, 2609..2734, 2797..2841

Seq. No.	37266	Seq. ID	OJ990428_07.9C10.C45
Gene No.	76519	Strand	+
Start	686	End	3908
Name	OJ990428_07.9C10.C45.o1.gs	Method	GENSCAN
Start	686	End	3908
GI	none	Score	.55
Exons	686..804, 1711..1789, 1894..1926, 2928..3186, 3640..3804, 3880..3908		

Seq. No.	37266	Seq. ID	OJ990428_07.9C10.C45
Gene No.	76520	Strand	-
Start	3903	End	9103
Name	OJ990428_07.9C10.C45.o1.np	Method	AAT/NAP
Start	3903	End	9103
GI	6069646	Score	159
Exons	3903..3933, 5746..5810, 6364..6658, 9057..9103		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	37266	Seq. ID	OJ990428_07.9C10.C45
Gene No.	76520	Strand	-
Start	3903	End	9103
Name	OJ990428_07.9C10.C45.o1.tm	Method	TBLASTX:Maize
Start	6357	End	6829
GI	none	Score	96
Exons	6357..6410, 6418..6663, 6500..6661, 6691..6828, 6719..6829		

Seq. No.	37266	Seq. ID	OJ990428_07.9C10.C45
Gene No.	76520	Strand	-
Start	3903	End	9103
Name	OJ990428_07.9C10.C45.o2.tm	Method	TBLASTX:Maize
Start	7490	End	7753
GI	none	Score	77
Exons	7490..7591, 7589..7753, 7608..7736		

Seq. No.	37267	Seq. ID	OJ990428_07.9C10.C46
Gene No.	76521	Strand	-
Start	184	End	474
Name	OJ990428_07.9C10.C46.o1.gs	Method	GENSCAN
Start	184	End	474
GI	none	Score	.6
Exons	184..474		

Seq. No.	37267	Seq. ID	OJ990428_07.9C10.C46
Gene No.	76522	Strand	-
Start	1307	End	1786
Name	OJ990428_07.9C10.C46.o1.gp	Method	AAT/GAP
Start	1307	End	1786
GI	63142_1.R1084	Score	182
Exons	1307..1333, 1696..1786		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	37268	Seq. ID	OJ990428_07.9C10.C47
Gene No.	76523	Strand	-
Start	85	End	665
Name	OJ990428_07.9C10.C47.o1.gs	Method	GENSCAN
Start	85	End	665
GI	none	Score	.8
Exons	85..211, 278..665		

Seq. No.	37269	Seq. ID	OJ990428_07.9C10.C49
Gene No.	76524	Strand	+
Start	154	End	219
Name	OJ990428_07.9C10.C49.o1.gs	Method	GENSCAN
Start	154	End	219
GI	none	Score	.77
Exons	154..219		

Seq. No.	37270	Seq. ID	OJ990428_07.9C10.C50
Gene No.	76525	Strand	+
Start	1	End	1561
Name	OJ990428_07.9C10.C50.o1.np	Method	AAT/NAP
Start	1	End	1558
GI	3236237	Score	678
Exons	1..211, 332..411, 507..660, 745..823, 990..1074, 1211..1257, 1391..1558		
GI Descrip.	(AC004684) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	37270	Seq. ID	OJ990428_07.9C10.C50
Gene No.	76525	Strand	+
Start	1	End	1561
Name	OJ990428_07.9C10.C50.o1.tm	Method	TBLASTX:Maize
Start	74	End	1548
GI	none	Score	128
Exons	74..214, 77..211, 84..215, 329..412, 333..413, 500..664, 505..672, 506..664, 742..828, 746..823, 747..824, 957..1073, 987..1073, 989..1075, 1198..1257, 1211..1258, 1212..1259, 1213..1260, 1388..1522, 1390..1548, 1390..1548		

Seq. No.	37270	Seq. ID	OJ990428_07.9C10.C50
Gene No.	76525	Strand	+
Start	1	End	1561
Name	OJ990428_07.9C10.C50.o1.ts	Method	TBLASTX:Soybean
Start	74	End	1073
GI	none	Score	139
Exons	74..214, 329..412, 333..413, 505..657, 506..664, 746..823, 754..810, 986..1072, 987..1073		

Seq. No.	37270	Seq. ID	OJ990428_07.9C10.C50
Gene No.	76525	Strand	+
Start	1	End	1561
Name	OJ990428_07.9C10.C50.o1.tc	Method	TBLASTX:Cress
Start	101	End	823
GI	none	Score	122
Exons	101..214, 329..412, 333..413, 505..672, 506..664, 745..810, 746..823		

Seq. No.	37270	Seq. ID	OJ990428_07.9C10.C50

Gene No.	76525	Strand	+
Start	1	End	1561
Name	OJ990428_07.9C10.C50.o1.gs	Method	GENSCAN
Start	332	End	1561
GI	none	Score	.66
Exons	332..411, 507..660, 1211..1257, 1416..1561		

Seq. No.	37270	Seq. ID	OJ990428_07.9C10.C50
Gene No.	76525	Strand	+
Start	1	End	1561
Name	OJ990428_07.9C10.C50.o1.gp	Method	AAT/GAP
Start	387	End	1074
GI	4879983	Score	576
Exons	387..411, 507..660, 745..823, 990..1074		
GI Descrip.	629592/pir||S42651 5.0e-25 hypothetical protein - rape >gi_6065752_emb_CAB58175.1_ (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]		

Seq. No.	37270	Seq. ID	OJ990428_07.9C10.C50
Gene No.	76525	Strand	+
Start	1	End	1561
Name	OJ990428_07.9C10.C50.o1.tw	Method	TBLASTX:Wheat
Start	559	End	1498
GI	none	Score	147
Exons	559..672, 560..664, 742..840, 746..823, 957..1091, 987..1073, 1198..1257, 1388..1498, 1390..1491, 1404..1496		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76526	Strand	+
Start	232	End	582
Name	OJ990428_07.9C10.C51.o1.gs	Method	GENSCAN
Start	232	End	582
GI	none	Score	.95
Exons	232..278, 412..582		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76527	Strand	+
Start	2751	End	4569
Name	OJ990428_07.9C10.C51.o3.gs	Method	GENSCAN
Start	2751	End	4569
GI	none	Score	.93
Exons	2751..2814, 3029..4569		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76528	Strand	+
Start	6931	End	6991
Name	OJ990428_07.9C10.C51.o1.gp	Method	AAT/GAP
Start	6931	End	6991
GI	2312838	Score	67
Exons	6931..6991		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76529	Strand	+
Start	8482	End	12476
Name	OJ990428_07.9C10.C51.o1.np	Method	AAT/NAP

Start	8482	End	12476
GI	6522590	Score	1799
Exons	8482..10145, 10221..11230, 11331..11678, 12454..12476		
GI Descrip.	(AL133292) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76530	Strand	-
Start	1563	End	1955
Name	OJ990428_07.9C10.C51.o2.gs	Method	GENSCAN
Start	1563	End	1955
GI	none	Score	.69
Exons	1563..1955		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o6.tm	Method	TBLASTX:Maize
Start	62	End	569
GI	none	Score	51
Exons	62..94, 219..278, 232..279, 233..280, 409..543, 411..569, 411..569		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o2.tm	Method	TBLASTX:Maize
Start	3115	End	3528
GI	none	Score	42
Exons	3115..3186, 3250..3528, 3251..3409, 3321..3527		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o3.ts	Method	TBLASTX:Soybean
Start	3520	End	4161
GI	none	Score	72
Exons	3520..3705, 3667..4128, 3751..4161, 3844..4161		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o5.tm	Method	TBLASTX:Maize
Start	3712	End	4356
GI	none	Score	148
Exons	3712..4047, 3751..4152, 3859..4164, 3961..4161, 4042..4113, 4195..4356		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o2.tc	Method	TBLASTX:Cress
Start	3724	End	4389
GI	none	Score	161
Exons	3724..4071, 3778..4350, 3859..4164, 3901..4113, 4189..4389		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-

Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o1.tm	Method	TBLASTX:Maize
Start	4682	End	11223
GI	none	Score	114
Exons	4682..4798, 4683..4802, 4878..4997, 4882..5004, 4885..4998, 5033..5077, 5041..5076, 10774..11223, 10775..11149, 10776..11222		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o3.tc	Method	TBLASTX:Cress
Start	4682	End	10920
GI	none	Score	95
Exons	4682..4798, 4683..4802, 10639..10920, 10644..10901		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o1.ts	Method	TBLASTX:Soybean
Start	4683	End	11713
GI	none	Score	89
Exons	4683..4847, 4876..5004, 4897..5019, 10639..10719, 10746..10940, 10747..10944, 10975..11196, 10986..11135, 11164..11229, 11329..11427, 11330..11512, 11567..11713		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o1.tc	Method	TBLASTX:Cress
Start	4870	End	11428
GI	none	Score	78
Exons	4870..5004, 8635..8670, 8665..8949, 8683..8961, 8686..8958, 8686..8880, 8686..8964, 8692..8985, 8695..8958, 8695..8964, 8695..8958, 8695..8886, 8710..8823, 8767..8964, 8774..8824, 8839..8964, 8865..8966, 8968..9111, 8976..9095, 8977..9111, 8977..9111, 9097..9258, 9109..9240, 9112..9258, 9115..9252, 9124..9252, 9133..9240, 9294..9389, 9481..9570, 9553..9924, 9556..9945, 9574..9912, 9577..9924, 9580..9933, 9580..9942, 9580..9774, 9583..9942, 9589..9924, 9589..9948, 9600..9797, 9600..9914, 9600..9914, 9603..9845, 9603..9833, 9609..9767, 9636..9923, 9658..9942, 9750..9923, 9760..9948, 9769..9915, 9930..10061, 9994..10299, 9994..10350, 9994..10353, 9994..10350, 9997..10356, 9997..10347, 9997..10353, 9997..10398, 10006..10401, 10024..10350, 10024..10353, 10066..10134, 10087..10350, 10168..10356, 10194..10349, 10285..10413, 10933..11199, 11330..11428		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o2.ts	Method	TBLASTX:Soybean
Start	8662	End	10398
GI	none	Score	155
Exons	8662..8952, 8686..8964, 8692..8985, 8695..8958, 8749..9003, 8968..9111, 8977..9111, 8977..9111, 9000..9107, 9091..9246, 9097..9258, 9109..9249, 9124..9240, 9133..9258, 9568..9945, 9574..9942, 9580..9933, 9580..9840, 9580..9774, 9583..9942,		

9589..9948, 9594..9914, 9600..9920, 9603..9779, 9687..9920,
9994..10356, 9997..10356, 10003..10398, 10006..10350,
10122..10361, 10149..10292, 10231..10356, 10279..10398

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o3.tm	Method	TBLASTX:Maize
Start	8683	End	10356
GI	none	Score	177
Exons	8683..8961, 8686..8964, 8695..8958, 8707..8985, 8710..8856, 8767..8973, 8842..8886, 8977..9111, 9115..9252, 9556..9945, 9574..9825, 9577..9924, 9583..9924, 9589..9924, 9589..9948, 9601..9897, 9658..9942, 9687..9920, 9687..9920, 9804..9884, 9966..10061, 9994..10356, 9997..10329, 9997..10356, 9997..10353, 10006..10260, 10024..10350, 10168..10356, 10182..10355		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o1.tw	Method	TBLASTX:Wheat
Start	8752	End	10350
GI	none	Score	104
Exons	8752..9003, 8899..8934, 8971..9048, 9097..9222, 9400..9825, 9400..9651, 9411..9785, 9609..9752, 9652..9873, 9760..9924, 9772..9942, 9997..10071, 9997..10077, 10063..10134, 10087..10308, 10122..10277, 10231..10350		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o4.tm	Method	TBLASTX:Maize
Start	11329	End	11668
GI	none	Score	181
Exons	11329..11538, 11330..11512, 11537..11668, 11572..11667		

Seq. No.	37271	Seq. ID	OJ990428_07.9C10.C51
Gene No.	76531	Strand	-
Start	12292	End	15233
Name	OJ990428_07.9C10.C51.o5.gs	Method	GENSCAN
Start	12292	End	15233
GI	none	Score	.58
Exons	12292..13221, 13281..13685, 14793..15233		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76532	Strand	+
Start	287	End	2027
Name	OJ990428_07.9C10.C52.o1.gs	Method	GENSCAN
Start	287	End	1117
GI	none	Score	.44
Exons	287..548, 834..1117		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76532	Strand	+
Start	287	End	2027
Name	OJ990428_07.9C10.C52.o1.np	Method	AAT/NAP
Start	792	End	2027

GI	6522541	Score	148
Exons	792..1106, 2008..2027		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76533	Strand	-
Start	1870	End	2627
Name	OJ990428_07.9C10.C52.o1.gp	Method	AAT/GAP
Start	1770	End	2364
GI	705_1.R1084	Score	892
Exons	1770..2364		
GI Descrip.	'1362184/pir||S56685 2.0e-37 histone H2B-8 - wheat >gi_531058_dbj_BAA07157_ (D37943) protein H2B-8 [Triticum aestivum]'		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76533	Strand	-
Start	1870	End	2627
Name	OJ990428_07.9C10.C52.o2.gs	Method	GENSCAN
Start	1870	End	2627
GI	none	Score	.88
Exons	1870..2349, 2493..2627		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76533	Strand	-
Start	1870	End	2627
Name	OJ990428_07.9C10.C52.o2.np	Method	AAT/NAP
Start	1873	End	2331
GI	3913804	Score	676
Exons	1873..2331		
GI Descrip.	HISTONE H2B.3 gi|577825|emb|CAA49584| (X69960) H2B histone [Zea mays]		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76534	Strand	-
Start	4813	End	9156
Name	OJ990428_07.9C10.C52.o1.tc	Method	TBLASTX:Cress
Start	1849	End	2146
GI	none	Score	294
Exons	1849..2145, 1880..2146		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76534	Strand	-
Start	4813	End	9156
Name	OJ990428_07.9C10.C52.o1.tm	Method	TBLASTX:Maize
Start	1864	End	2146
GI	none	Score	410
Exons	1864..2145, 1865..2146		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76534	Strand	-
Start	4813	End	9156
Name	OJ990428_07.9C10.C52.o1.ts	Method	TBLASTX:Soybean
Start	1867	End	2146
GI	none	Score	340
Exons	1867..2145, 1880..2146		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76534	Strand	-
Start	4813	End	9156
Name	OJ990428_07.9C10.C52.o1.tw	Method	TBLASTX:Wheat
Start	1876	End	2146
GI	none	Score	411
Exons	1876..2145, 1877..2146, 2006..2146, 2041..2145		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76534	Strand	-
Start	4813	End	9156
Name	OJ990428_07.9C10.C52.o3.np	Method	AAT/NAP
Start	4813	End	8696
GI	3885341	Score	64
Exons	4813..4843, 8035..8365, 8626..8696		
GI Descrip.	(AC005623) Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76534	Strand	-
Start	4813	End	9156
Name	OJ990428_07.9C10.C52.o4.gs	Method	GENSCAN
Start	6654	End	7091
GI	none	Score	.75
Exons	6654..6746, 6843..7091		

Seq. No.	37272	Seq. ID	OJ990428_07.9C10.C52
Gene No.	76534	Strand	-
Start	4813	End	9156
Name	OJ990428_07.9C10.C52.o5.gs	Method	GENSCAN
Start	7751	End	9156
GI	none	Score	.65
Exons	7751..8365, 8626..9156		

Seq. No.	37273	Seq. ID	OJ990428_07.9C10.C53
Gene No.	76535	Strand	-
Start	111	End	359
Name	OJ990428_07.9C10.C53.o1.gs	Method	GENSCAN
Start	111	End	359
GI	none	Score	.61
Exons	111..359		

Seq. No.	37274	Seq. ID	OJ990428_07.9C10.C54
Gene No.	76536	Strand	+
Start	241	End	363
Name	OJ990428_07.9C10.C54.o1.gs	Method	GENSCAN
Start	241	End	363
GI	none	Score	.46
Exons	241..363		

Seq. No.	37275	Seq. ID	OJ990428_07.9C10.C55
Gene No.	76537	Strand	-
Start	1	End	746
Name	OJ990428_07.9C10.C55.o1.np	Method	AAT/NAP
Start	1	End	746
GI	2130082	Score	495
Exons	1..746		
GI Descrip.	protein kinase Xa21 (EC 2.7.1.-) - rice gi|1122443 (U37133)		

receptor kinase-like protein [Oryza sativa] gi|2586085 (U72723) receptor kinase-like protein [Oryza longistaminata] gi|1586408|prf||2203451A receptor kinase-like protein [Oryza sativa]

Seq. No.	37275	Seq. ID	OJ990428_07.9C10.C55
Gene No.	76537	Strand	-
Start	1	End	746
Name	OJ990428_07.9C10.C55.o1.tc	Method	TBLASTX:Cress
Start	47	End	706
GI	none	Score	56
Exons	47..352, 50..154, 50..289, 164..697, 179..415, 180..293, 327..653, 470..604, 539..706		

Seq. No.	37275	Seq. ID	OJ990428_07.9C10.C55
Gene No.	76537	Strand	-
Start	1	End	746
Name	OJ990428_07.9C10.C55.o1.ts	Method	TBLASTX:Soybean
Start	47	End	700
GI	none	Score	59
Exons	47..292, 47..292, 47..217, 50..289, 50..289, 50..289, 50..343, 56..283, 63..263, 179..289, 287..559, 296..700, 296..664, 300..650, 314..661, 317..661, 326..664, 326..652, 327..413, 398..661		

Seq. No.	37275	Seq. ID	OJ990428_07.9C10.C55
Gene No.	76537	Strand	-
Start	1	End	746
Name	OJ990428_07.9C10.C55.o1.tm	Method	TBLASTX:Maize
Start	47	End	685
GI	none	Score	63
Exons	47..289, 47..289, 50..292, 290..685, 290..508, 299..580, 308..415, 309..554, 317..361, 321..554, 326..652, 327..554, 347..667, 537..626		

Seq. No.	37275	Seq. ID	OJ990428_07.9C10.C55
Gene No.	76537	Strand	-
Start	1	End	746
Name	OJ990428_07.9C10.C55.o1.tw	Method	TBLASTX:Wheat
Start	77	End	746
GI	none	Score	230
Exons	77..394, 125..283, 164..250, 416..709, 417..731, 702..746, 703..744, 705..746		

Seq. No.	37276	Seq. ID	OJ990428_07.9C10.C56
Gene No.	76538	Strand	-
Start	1	End	478
Name	OJ990428_07.9C10.C56.o1.np	Method	AAT/NAP
Start	1	End	478
GI	5295955	Score	117
Exons	1..62, 360..478		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	37277	Seq. ID	OJ990428_07.9C10.C59
Gene No.	76539	Strand	+
Start	1	End	424

Name	OJ990428_07.9C10.C59.o1.np	Method	AAT/NAP
Start	1	End	424
GI	3355484	Score	165
Exons	1..104, 215..424		
GI Descrip.	(AC004218) putative geranylgeranyl transferase type I beta subunit [Arabidopsis thaliana]		

Seq. No.	37277	Seq. ID	OJ990428_07.9C10.C59
Gene No.	76539	Strand	+
Start	1	End	424
Name	OJ990428_07.9C10.C59.o1.gs	Method	GENSCAN
Start	99	End	354
GI	none	Score	.99
Exons	99..104, 215..354		

Seq. No.	37278	Seq. ID	OJ990428_07.9C10.C61
Gene No.	76540	Strand	+
Start	341	End	482
Name	OJ990428_07.9C10.C61.o1.gs	Method	GENSCAN
Start	341	End	482
GI	none	Score	.43
Exons	341..482		

Seq. No.	37278	Seq. ID	OJ990428_07.9C10.C61
Gene No.	76541	Strand	-
Start	291	End	473
Name	OJ990428_07.9C10.C61.o1.np	Method	AAT/NAP
Start	291	End	473
GI	4680492	Score	99
Exons	291..473		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	37279	Seq. ID	OJ990428_07.9C10.C62
Gene No.	76542	Strand	+
Start	504	End	682
Name	OJ990428_07.9C10.C62.o1.gs	Method	GENSCAN
Start	504	End	682
GI	none	Score	.44
Exons	504..682		

Seq. No.	37280	Seq. ID	OJ990428_07.9C10.C63
Gene No.	76543	Strand	-
Start	1	End	62
Name	OJ990428_07.9C10.C63.o1.gp	Method	AAT/GAP
Start	1	End	62
GI	3760640	Score	104
Exons	1..62		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	37281	Seq. ID	OJ990428_07.9C10.C64
Gene No.	76544	Strand	+
Start	290	End	512
Name	OJ990428_07.9C10.C64.o1.gp	Method	AAT/GAP
Start	290	End	512
GI	17718_1.R1084	Score	386
Exons	290..512		

GI Descrip.	'6015437/dbj|AB008112.1|AB008112 8.0e-10 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	37281	Seq. ID	OJ990428_07.9C10.C64
Gene No.	76544	Strand	+
Start	290	End	512
Name	OJ990428_07.9C10.C64.o1.gs	Method	GENSCAN
Start	321	End	512
GI	none	Score	.57
Exons	321..512		
Seq. No.	37282	Seq. ID	OJ990428_07.9C10.C65
Gene No.	76545	Strand	+
Start	406	End	599
Name	OJ990428_07.9C10.C65.o1.gp	Method	AAT/GAP
Start	406	End	599
GI	1742_1.R1084	Score	255
Exons	406..599		
GI Descrip.	'2144098/pir||I56573 4.0e-40 SC2 - rat >gi_256994_bbs_115268 (S45663) SC2=synaptic glycoprotein [rats, brain, Peptide, 308 aa] [Rattus sp.]'		
Seq. No.	37282	Seq. ID	OJ990428_07.9C10.C65
Gene No.	76546	Strand	-
Start	320	End	610
Name	OJ990428_07.9C10.C65.o1.gs	Method	GENSCAN
Start	320	End	610
GI	none	Score	.76
Exons	320..610		
Seq. No.	37283	Seq. ID	OJ990428_07.9C10.C67
Gene No.	76547	Strand	-
Start	56	End	422
Name	OJ990428_07.9C10.C67.o1.np	Method	AAT/NAP
Start	56	End	422
GI	3025870	Score	301
Exons	56..422		
GI Descrip.	(AF055706) ribosomal protein S4 [Oryza sativa]		
Seq. No.	37284	Seq. ID	OJ990428_07.9C10.C68
Gene No.	76548	Strand	-
Start	161	End	396
Name	OJ990428_07.9C10.C68.o1.gs	Method	GENSCAN
Start	161	End	396
GI	none	Score	.76
Exons	161..219, 321..396		
Seq. No.	37285	Seq. ID	OJ990618_07.9C01.C2
Gene No.	76549	Strand	+
Start	2143	End	2840
Name	OJ990618_07.9C01.C2.o1.np	Method	AAT/NAP
Start	2143	End	2840
GI	4262237	Score	207
Exons	2143..2297, 2522..2840		
GI Descrip.	(AC006200) unknown protein [Arabidopsis thaliana]		
Seq. No.	37286	Seq. ID	OJ990618_07.9C01.C3

Gene No.	76550	Strand	-
Start	1	End	197
Name	OJ990618_07.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	197
GI	4262239	Score	110
Exons	1..107, 168..197		
GI Descrip.	(AC006200) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76551	Strand	+
Start	117	End	3555
Name	OJ990618_07.9C01.C7.o1.gp	Method	AAT/GAP
Start	117	End	306
GI	2310235	Score	254
Exons	117..306		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76551	Strand	+
Start	117	End	3555
Name	OJ990618_07.9C01.C7.o1.gs	Method	GENSCAN
Start	119	End	3555
GI	none	Score	.77
Exons	119..1156, 1351..1492, 1618..1763, 1765..2450, 2560..2733, 2830..2940, 3025..3097, 3192..3290, 3370..3555		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76552	Strand	+
Start	3922	End	4072
Name	OJ990618_07.9C01.C7.o2.gp	Method	AAT/GAP
Start	3922	End	4072
GI	21474_1.R1084	Score	237
Exons	3922..4072		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76553	Strand	+
Start	6924	End	8728
Name	OJ990618_07.9C01.C7.o2.gs	Method	GENSCAN
Start	6924	End	8728
GI	none	Score	.91
Exons	6924..7315, 8221..8728		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76554	Strand	+
Start	10538	End	11001
Name	OJ990618_07.9C01.C7.o4.gp	Method	AAT/GAP
Start	10538	End	11001
GI	none	Score	900
Exons	10538..11001		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76555	Strand	+
Start	13628	End	15055
Name	OJ990618_07.9C01.C7.o2.np	Method	AAT/NAP

Start	13604	End	15052
GI	6850873	Score	1088
Exons	13604..15052		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76555	Strand	+
Start	13628	End	15055
Name	OJ990618_07.9C01.C7.o5.gs	Method	GENSCAN
Start	13628	End	15055
GI	none	Score	.86
Exons	13628..15055		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76556	Strand	+
Start	20726	End	25010
Name	OJ990618_07.9C01.C7.o8.gs	Method	GENSCAN
Start	20726	End	24976
GI	none	Score	.67
Exons	20726..20742, 23012..23056, 23210..23489, 23740..24125, 24235..24409, 24644..24976		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76556	Strand	+
Start	20726	End	25010
Name	OJ990618_07.9C01.C7.o4.np	Method	AAT/NAP
Start	23683	End	25010
GI	6539553	Score	2152
Exons	23683..25010		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76557	Strand	-
Start	8571	End	8969
Name	OJ990618_07.9C01.C7.o3.gp	Method	AAT/GAP
Start	8571	End	8969
GI	none	Score	711
Exons	8571..8969		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76558	Strand	-
Start	9000	End	9941
Name	OJ990618_07.9C01.C7.o3.gs	Method	GENSCAN
Start	9000	End	9941
GI	none	Score	.47
Exons	9000..9031, 9536..9941		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76559	Strand	-
Start	10223	End	12831
Name	OJ990618_07.9C01.C7.o4.gs	Method	GENSCAN
Start	10223	End	12618
GI	none	Score	.8
Exons	10223..10357, 10793..11134, 11257..12618		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76559	Strand	-
Start	10223	End	12831
Name	OJ990618_07.9C01.C7.o1.np	Method	AAT/NAP
Start	10805	End	12609
GI	4415931	Score	1535
Exons	10805..11173, 11257..12609		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76559	Strand	-
Start	10223	End	12831
Name	OJ990618_07.9C01.C7.o5.gp	Method	AAT/GAP
Start	11331	End	11788
GI	uC-osf1M202095a02b1	Score	896
Exons	11331..11788		
GI Descrip.	'4415931/gb|AAD20161| 4.0e-51 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]'		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76559	Strand	-
Start	10223	End	12831
Name	OJ990618_07.9C01.C7.o6.gp	Method	AAT/GAP
Start	12323	End	12831
GI	none	Score	937
Exons	12323..12831		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76560	Strand	-
Start	16703	End	16965
Name	OJ990618_07.9C01.C7.o6.gs	Method	GENSCAN
Start	16703	End	16965
GI	none	Score	.48
Exons	16703..16788, 16854..16965		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o2.tw	Method	TBLASTX:Wheat
Start	483	End	886
GI	none	Score	62
Exons	483..623, 483..593, 485..721, 485..634, 586..753, 716..886, 791..886		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o4.tw	Method	TBLASTX:Wheat
Start	2377	End	2899
GI	none	Score	60
Exons	2377..2457, 2546..2728, 2596..2721, 2828..2899		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495

Name	OJ990618_07.9C01.C7.o6.tc	Method	TBLASTX:Cress
Start	7005	End	7325
GI	none	Score	136
Exons	7005..7118, 7010..7117, 7158..7190, 7229..7321, 7251..7325		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o6.ts	Method	TBLASTX:Soybean
Start	7005	End	8644
GI	none	Score	129
Exons	7005..7118, 7010..7117, 7229..7324, 7251..7325, 8231..8329, 8390..8560, 8564..8644		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o2.tc	Method	TBLASTX:Cress
Start	10816	End	11412
GI	none	Score	97
Exons	10816..10839, 10922..11122, 10923..11099, 11105..11173, 11135..11179, 11257..11295, 11293..11412, 11300..11410		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	10922	End	12514
GI	none	Score	199
Exons	10922..11179, 10923..11141, 10937..11179, 11260..11478, 11261..11476, 11389..11502, 11521..11568, 11599..11850, 11599..11919, 11618..11920, 12149..12163, 12160..12507, 12203..12514		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o3.ts	Method	TBLASTX:Soybean
Start	10922	End	11296
GI	none	Score	121
Exons	10922..11173, 10935..11132, 10940..11173, 11044..11193, 11257..11295, 11258..11296		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o3.tw	Method	TBLASTX:Wheat
Start	11039	End	14752
GI	none	Score	60
Exons	11039..11143, 14473..14721, 14482..14712, 14546..14752, 14636..14749		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o2.ts	Method	TBLASTX:Soybean
Start	11311	End	11962

GI	none	Score	107
Exons	11311..11475, 11318..11491, 11506..11568, 11590..11961, 11591..11962		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o4.tc	Method	TBLASTX:Cress
Start	11620	End	11934
GI	none	Score	78
Exons	11620..11895, 11620..11934, 11624..11929		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o5.tc	Method	TBLASTX:Cress
Start	11998	End	12369
GI	none	Score	82
Exons	11998..12162, 11999..12133, 12175..12369		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o5.ts	Method	TBLASTX:Soybean
Start	12262	End	12462
GI	none	Score	105
Exons	12262..12462, 12308..12442		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o2.tm	Method	TBLASTX:Maize
Start	13691	End	14659
GI	none	Score	44
Exons	13691..13747, 13790..13843, 13943..14446, 13960..14463, 14536..14658, 14546..14659		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o1.tc	Method	TBLASTX:Cress
Start	13940	End	14353
GI	none	Score	463
Exons	13940..14293, 13960..14292, 14290..14349, 14291..14353		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	13943	End	14737
GI	none	Score	423
Exons	13943..14299, 13960..14298, 14291..14326, 14330..14446, 14332..14478, 14542..14652, 14546..14683, 14660..14737, 14662..14721		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-

Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o3.tc	Method	TBLASTX:Cress
Start	14662	End	15052
GI	none	Score	128
Exons	14662..14721, 14666..14782, 14789..14869, 14791..14868, 14869..15042, 14870..15052		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o3.tm	Method	TBLASTX:Maize
Start	14774	End	15055
GI	none	Score	428
Exons	14774..15055, 14776..15051		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o4.ts	Method	TBLASTX:Soybean
Start	14788	End	15052
GI	none	Score	99
Exons	14788..14868, 14789..14869, 14869..15042, 14870..15052		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76561	Strand	-
Start	18088	End	20495
Name	OJ990618_07.9C01.C7.o3.np	Method	AAT/NAP
Start	18088	End	20495
GI	1063684	Score	96
Exons	18088..18152, 19058..19298, 20402..20495		
GI Descrip.	(U39072) AtGRP2b [Arabidopsis thaliana] gi|4803937|gb|AAD29810.1|AC006264_18 (AC006264) glycine-rich protein (AtGRP2) [Arabidopsis thaliana]		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76562	Strand	
Start	23677	End	24125
Name	OJ990618_07.9C01.C7.o1.tw	Method	TBLASTX:Wheat
Start	23677	End	24063
GI	none	Score	342
Exons	23677..24063, 23688..24062		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76562	Strand	
Start	23677	End	24125
Name	OJ990618_07.9C01.C7.o5.tm	Method	TBLASTX:Maize
Start	23812	End	24125
GI	none	Score	358
Exons	23812..24123, 23820..24125		

Seq. No.	37287	Seq. ID	OJ990618_07.9C01.C7
Gene No.	76563	Strand	
Start	24622	End	24944
Name	OJ990618_07.9C01.C7.o4.tm	Method	TBLASTX:Maize
Start	24622	End	24944
GI	none	Score	251
Exons	24622..24876, 24629..24943, 24649..24942, 24777..24944		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	1971
GI	6539553	Score	3222
Exons	1..1971		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	2	End	557
GI	none	Score	180
Exons	2..247, 2..289, 3..557, 24..557		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	477	End	939
GI	5509260	Score	259
Exons	477..797, 578..646, 695..817, 799..939, 861..920		
GI Descrip.	-		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	570	End	797
GI	none	Score	248
Exons	570..797		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	611	End	1074
GI	none	Score	181
Exons	611..817, 612..797, 799..1074, 861..971		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o3.tw	Method	TBLASTX:Wheat
Start	612	End	1155
GI	none	Score	185
Exons	612..818, 692..817, 799..954, 946..1155, 1014..1145		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971

Name	OJ990618_07.9C01.C8.o2.ts	Method	TBLASTX:Soybean
Start	1008	End	1353
GI	none	Score	308
Exons	1008..1253, 1009..1353		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o2.tm	Method	TBLASTX:Maize
Start	1164	End	1503
GI	none	Score	304
Exons	1164..1502, 1165..1503		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o3.ts	Method	TBLASTX:Soybean
Start	1354	End	1722
GI	none	Score	101
Exons	1354..1479, 1498..1722		

Seq. No.	37288	Seq. ID	OJ990618_07.9C01.C8
Gene No.	76564	Strand	+
Start	1	End	1971
Name	OJ990618_07.9C01.C8.o2.tw	Method	TBLASTX:Wheat
Start	1359	End	1835
GI	none	Score	93
Exons	1359..1430, 1360..1434, 1448..1552, 1449..1835, 1450..1797		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76565	Strand	+
Start	139	End	6923
Name	OJ990618_07.9C01.C9.o1.gs	Method	GENSCAN
Start	139	End	664
GI	none	Score	.42
Exons	139..222, 420..664		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76565	Strand	+
Start	139	End	6923
Name	OJ990618_07.9C01.C9.o1.np	Method	AAT/NAP
Start	436	End	6923
GI	5734709	Score	602
Exons	436..458, 3571..3947, 4348..4505, 4773..4849, 4944..5091, 5373..5515, 6882..6923		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76565	Strand	+
Start	139	End	6923
Name	OJ990618_07.9C01.C9.o3.gs	Method	GENSCAN
Start	2158	End	6396
GI	none	Score	.59
Exons	2158..2335, 2476..2615, 2736..2827, 2929..3947, 4345..4431, 4711..4849, 4944..5091, 5373..5775, 5925..6006, 6243..6396		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76566	Strand	+
Start	11828	End	14370
Name	OJ990618_07.9C01.C9.o3.np	Method	AAT/NAP
Start	11828	End	14370
GI	6539553	Score	4324
Exons	11828..14370		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76567	Strand	-
Start	1107	End	1425
Name	OJ990618_07.9C01.C9.o2.gs	Method	GENSCAN
Start	1107	End	1425
GI	none	Score	.63
Exons	1107..1248, 1307..1425		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76568	Strand	-
Start	5776	End	6166
Name	OJ990618_07.9C01.C9.o1.gp	Method	AAT/GAP
Start	5776	End	6166
GI	none	Score	756
Exons	5776..6166		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o6.tm	Method	TBLASTX:Maize
Start	3376	End	3610
GI	none	Score	281
Exons	3376..3606, 3377..3610, 3455..3610		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	3581	End	4442
GI	none	Score	310
Exons	3581..3952, 3646..3933, 4344..4442, 4385..4441		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	3617	End	4968
GI	none	Score	567
Exons	3617..3949, 3622..3948, 4343..4507, 4344..4508, 4349..4531, 4362..4514, 4408..4521, 4734..4850, 4771..4848, 4772..4855, 4772..4849, 4942..4968, 4943..4966, 4945..4968		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070

Name	OJ990618_07.9C01.C9.o3.ts	Method	TBLASTX:Soybean
Start	3632	End	5525
GI	none	Score	67
Exons	3632..3712, 4758..4850, 4772..4852, 4902..5042, 4945..5091, 4950..5090, 5385..5525		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o4.tw	Method	TBLASTX:Wheat
Start	3661	End	3946
GI	none	Score	206
Exons	3661..3924, 3662..3946		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	3713	End	4506
GI	none	Score	399
Exons	3713..3952, 3715..3951, 4331..4387, 4344..4388, 4380..4505, 4382..4504, 4396..4506		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o5.tw	Method	TBLASTX:Wheat
Start	4356	End	5061
GI	none	Score	64
Exons	4356..4424, 4443..4508, 4748..4852, 4761..4850, 4945..5061, 4947..5057		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o2.tc	Method	TBLASTX:Cress
Start	4764	End	5091
GI	none	Score	88
Exons	4764..4850, 4772..4849, 4944..5036, 4945..5091		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o5.tm	Method	TBLASTX:Maize
Start	4929	End	5776
GI	none	Score	165
Exons	4929..5093, 4968..5102, 4969..5103, 5368..5523, 5373..5525, 5441..5524, 5622..5672, 5625..5675, 5684..5731, 5732..5776		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o4.gs	Method	GENSCAN
Start	6680	End	9857
GI	none	Score	.89
Exons	6680..6729, 7197..7383, 7490..7549, 7630..7788, 8865..8962, 9170..9526, 9680..9857		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o2.gp	Method	AAT/GAP
Start	6845	End	9317
GI	13257_1.R1084	Score	2081
Exons	6845..7383, 7490..7549, 7630..7788, 8865..9009, 9115..9317		
GI Descrip.	'2104681/emb|CAA66481| 2.0e-12 (X97907) transcription factor [Vicia faba]'		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o2.np	Method	AAT/NAP
Start	7189	End	9857
GI	2104681	Score	678
Exons	7189..7383, 7490..7549, 7630..7788, 8865..8981, 9093..9526, 9680..9857		
GI Descrip.	(X97907) transcription factor [Vicia faba]		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o7.tm	Method	TBLASTX:Maize
Start	7198	End	9352
GI	none	Score	38
Exons	7198..7242, 7205..7243, 7334..7387, 7352..7387, 7491..7550, 7510..7551, 7616..7690, 7624..7701, 7629..7790, 7629..7790, 7630..7791, 7768..7791, 8855..8890, 8882..8935, 8888..8959, 8922..9017, 9092..9337, 9094..9216, 9104..9352		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76569	Strand	-
Start	6680	End	10070
Name	OJ990618_07.9C01.C9.o3.gp	Method	AAT/GAP
Start	9752	End	10070
GI	none	Score	607
Exons	9752..10070		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76570	Strand	
Start	11822	End	12270
Name	OJ990618_07.9C01.C9.o2.tw	Method	TBLASTX:Wheat
Start	11822	End	12208
GI	none	Score	355
Exons	11822..12208, 11833..12207		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76570	Strand	
Start	11822	End	12270
Name	OJ990618_07.9C01.C9.o3.tm	Method	TBLASTX:Maize
Start	11957	End	12270
GI	none	Score	366
Exons	11957..12268, 11965..12270		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9

Gene No.	76571	Strand	
Start	12789	End	13111
Name	OJ990618_07.9C01.C9.o2.tm	Method	TBLASTX:Maize
Start	12789	End	13111
GI	none	Score	260
Exons	12789..13043, 12796..13110, 12816..13109, 12944..13111		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76572	Strand	
Start	13144	End	14337
Name	OJ990618_07.9C01.C9.o4.ts	Method	TBLASTX:Soybean
Start	13144	End	13524
GI	none	Score	80
Exons	13144..13269, 13300..13524		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76572	Strand	
Start	13144	End	14337
Name	OJ990618_07.9C01.C9.o4.tm	Method	TBLASTX:Maize
Start	13312	End	13746
GI	none	Score	296
Exons	13312..13746, 13521..13721		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76572	Strand	
Start	13144	End	14337
Name	OJ990618_07.9C01.C9.o3.tw	Method	TBLASTX:Wheat
Start	13389	End	13581
GI	none	Score	66
Exons	13389..13478, 13390..13581, 13390..13581		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76572	Strand	
Start	13144	End	14337
Name	OJ990618_07.9C01.C9.o2.ts	Method	TBLASTX:Soybean
Start	13534	End	13932
GI	none	Score	190
Exons	13534..13758, 13542..13712, 13759..13932, 13767..13805		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76572	Strand	
Start	13144	End	14337
Name	OJ990618_07.9C01.C9.o3.tc	Method	TBLASTX:Cress
Start	13570	End	13956
GI	none	Score	111
Exons	13570..13749, 13762..13956		

Seq. No.	37289	Seq. ID	OJ990618_07.9C01.C9
Gene No.	76572	Strand	
Start	13144	End	14337
Name	OJ990618_07.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	13582	End	14337
GI	none	Score	960
Exons	13582..14337, 13590..14069, 14120..14317, 14178..14336		

Seq. No.	37290	Seq. ID	OJ990618_07.9C01.C10
Gene No.	76573	Strand	+

Start	261	End	454
Name	OJ990618_07.9C01.C10.o1.gs	Method	GENSCAN
Start	261	End	454
GI	none	Score	.97
Exons	261..454		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76574	Strand	+
Start	10455	End	18698
Name	OJ990618_07.9C01.C11.o2.np	Method	AAT/NAP
Start	10455	End	18660
GI	2760839	Score	1472
Exons	10455..10498, 13428..14728, 16743..17304, 18549..18660		
GI Descrip.	(AC003105) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76574	Strand	+
Start	10455	End	18698
Name	OJ990618_07.9C01.C11.o3.gs	Method	GENSCAN
Start	13393	End	15732
GI	none	Score	.6
Exons	13393..14728, 14886..15024, 15621..15732		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76574	Strand	+
Start	10455	End	18698
Name	OJ990618_07.9C01.C11.o3.np	Method	AAT/NAP
Start	16173	End	18678
GI	4584539	Score	109
Exons	16173..16197, 16843..16968, 18312..18437, 18563..18678		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76574	Strand	+
Start	10455	End	18698
Name	OJ990618_07.9C01.C11.o4.gs	Method	GENSCAN
Start	16769	End	17380
GI	none	Score	.97
Exons	16769..17380		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76574	Strand	+
Start	10455	End	18698
Name	OJ990618_07.9C01.C11.o5.gs	Method	GENSCAN
Start	18294	End	18698
GI	none	Score	1
Exons	18294..18698		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76575	Strand	-
Start	443	End	3253
Name	OJ990618_07.9C01.C11.o1.np	Method	AAT/NAP
Start	443	End	3253
GI	5903036	Score	529
Exons	443..537, 843..977, 1232..1336, 1478..1547, 1753..1789, 3111..3253		

GI Descrip. (AC008016) F6D8.5 [Arabidopsis thaliana]

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76576	Strand	-
Start	7942	End	12042
Name	OJ990618_07.9C01.C11.o2.gs	Method	GENSCAN
Start	7942	End	12042
GI	none	Score	.53
Exons	7942..8091, 8562..8645, 10010..10070, 11984..12042		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o4.tm	Method	TBLASTX:Maize
Start	298	End	1334
GI	none	Score	59
Exons	298..366, 315..362, 446..556, 456..539, 634..732, 835..987, 888..980, 956..1024, 1233..1334		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o3.tm	Method	TBLASTX:Maize
Start	1488	End	3372
GI	none	Score	83
Exons	1488..1547, 1489..1551, 1748..1792, 1750..1791, 3107..3235, 3111..3227, 3115..3255, 3334..3372		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o2.tm	Method	TBLASTX:Maize
Start	13465	End	14565
GI	none	Score	273
Exons	13465..13782, 13723..13851, 13804..14106, 14431..14565, 14431..14556		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o1.tc	Method	TBLASTX:Cress
Start	13585	End	17236
GI	none	Score	235
Exons	13585..13914, 13642..13851, 13951..14022, 14038..14055, 14436..14729, 14449..14730, 16727..16960, 16960..17103, 16961..17098, 17081..17236		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o2.ts	Method	TBLASTX:Soybean
Start	13585	End	14031
GI	none	Score	315
Exons	13585..14031, 13827..14030		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-

Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o1.tw	Method	TBLASTX:Wheat
Start	14449	End	14655
GI	none	Score	201
Exons	14449..14655, 14449..14526, 14490..14648		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	14461	End	17236
GI	none	Score	334
Exons	14461..14730, 14461..14529, 14490..14729, 16727..17098, 16966..17097, 17086..17136, 17090..17170, 17195..17236		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	14568	End	17230
GI	none	Score	217
Exons	14568..14729, 14569..14730, 16727..16966, 16741..16998, 16960..17136, 16961..17230		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o1.gp	Method	AAT/GAP
Start	19306	End	19771
GI	none	Score	470
Exons	19306..19555, 19711..19771		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o4.np	Method	AAT/NAP
Start	19371	End	19929
GI	431154	Score	142
Exons	19371..19555, 19711..19929		
GI Descrip.	(D21813) ORF [Lilium longiflorum]		

Seq. No.	37291	Seq. ID	OJ990618_07.9C01.C11
Gene No.	76577	Strand	-
Start	19424	End	19929
Name	OJ990618_07.9C01.C11.o6.gs	Method	GENSCAN
Start	19424	End	19830
GI	none	Score	.74
Exons	19424..19555, 19711..19830		

Seq. No.	37292	Seq. ID	OJ990618_07.9C01.C12
Gene No.	76578	Strand	+
Start	1105	End	3850
Name	OJ990618_07.9C01.C12.o1.np	Method	AAT/NAP
Start	1105	End	3850
GI	6056201	Score	64
Exons	1105..1158, 2195..2294, 3828..3850		
GI Descrip.	(AC009400) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37292	Seq. ID	OJ990618_07.9C01.C12
Gene No.	76578	Strand	+
Start	1105	End	3850
Name	OJ990618_07.9C01.C12.o3.gs	Method	GENSCAN
Start	2189	End	2677
GI	none	Score	.73
Exons	2189..2677		

Seq. No.	37292	Seq. ID	OJ990618_07.9C01.C12
Gene No.	76579	Strand	-
Start	70	End	447
Name	OJ990618_07.9C01.C12.o1.gp	Method	AAT/GAP
Start	70	End	447
GI	29536_1.R1084	Score	724
Exons	70..447		
GI Descrip.	'3513744 3.0e-22 (AF080118) contains similarity to Medicago truncatula MtN3 (GB:Y08726) [Arabidopsis thaliana]'		

Seq. No.	37292	Seq. ID	OJ990618_07.9C01.C12
Gene No.	76579	Strand	-
Start	70	End	447
Name	OJ990618_07.9C01.C12.o1.gs	Method	GENSCAN
Start	78	End	123
GI	none	Score	.87
Exons	78..123		

Seq. No.	37292	Seq. ID	OJ990618_07.9C01.C12
Gene No.	76580	Strand	-
Start	675	End	1526
Name	OJ990618_07.9C01.C12.o2.gs	Method	GENSCAN
Start	675	End	1526
GI	none	Score	.53
Exons	675..761, 1368..1526		

Seq. No.	37292	Seq. ID	OJ990618_07.9C01.C12
Gene No.	76581	Strand	-
Start	3532	End	3781
Name	OJ990618_07.9C01.C12.o4.gs	Method	GENSCAN
Start	3532	End	3781
GI	none	Score	.79
Exons	3532..3634, 3681..3781		

Seq. No.	37293	Seq. ID	OJ990618_07.9C01.C13
Gene No.	76582	Strand	-
Start	245	End	5234
Name	OJ990618_07.9C01.C13.o1.gs	Method	GENSCAN
Start	245	End	5223
GI	none	Score	.88
Exons	245..397, 513..651, 1131..1293, 1367..1442, 1714..2012, 2120..2380, 2474..2580, 2697..2848, 2850..3079, 5055..5223		

Seq. No.	37293	Seq. ID	OJ990618_07.9C01.C13
Gene No.	76582	Strand	-
Start	245	End	5234
Name	OJ990618_07.9C01.C13.o1.np	Method	AAT/NAP
Start	1855	End	5234

GI	2194132	Score	264
Exons	1855..2063, 2104..2380, 2474..2580, 2697..2873, 2912..3044, 5120..5234		
GI Descrip.	(AC002062) No definition line found [Arabidopsis thaliana]		

Seq. No.	37293	Seq. ID	OJ990618_07.9C01.C13
Gene No.	76582	Strand	-
Start	245	End	5234
Name	OJ990618_07.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	2092	End	2833
GI	none	Score	89
Exons	2092..2304, 2109..2306, 2295..2378, 2499..2582, 2699..2755, 2759..2833		

Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76583	Strand	+
Start	1865	End	2210
Name	OJ990618_07.9C01.C14.o1.gp	Method	AAT/GAP
Start	1865	End	2210
GI	LIB3433-048-P1-K1-F6	Score	457
Exons	1865..2210		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 4.0e-47 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o1.np	Method	AAT/NAP
Start	5037	End	9899
GI	4874284	Score	1767
Exons	5037..5106, 5549..5967, 6125..6668, 6735..7232, 8356..8789, 8928..9899		
GI Descrip.	(AC007212) putative AAA-type ATPase [Arabidopsis thaliana]		

Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o2.gs	Method	GENSCAN
Start	5545	End	7126
GI	none	Score	.97
Exons	5545..5967, 6110..7126		

Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o1.tc	Method	TBLASTX:Cress
Start	5578	End	8792
GI	none	Score	174
Exons	5578..5703, 5590..5970, 5725..5967, 8391..8792, 8500..8535, 8608..8790		

Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	5596	End	8754
GI	none	Score	248

Exons	5596..5925, 5608..5913, 8417..8512, 8418..8747, 8500..8535, 8567..8749, 8569..8748, 8593..8754		
Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o2.tm	Method	TBLASTX:Maize
Start	5614	End	8673
GI	none	Score	148
Exons	5614..5847, 5626..5850, 5681..5851, 8430..8672, 8500..8673		
Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	5701	End	9803
GI	none	Score	129
Exons	5701..5763, 5775..5867, 5776..5958, 5776..5970, 5813..5971, 5822..5971, 6143..6484, 6158..6517, 6465..6503, 6528..6641, 6530..6661, 6534..6668, 6755..7042, 8523..8582, 8598..8771, 8598..8792, 8608..8793, 8928..9314, 8956..9183, 8970..9302, 9303..9488, 9335..9487, 9466..9522, 9612..9719, 9612..9803		
Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	5851	End	9317
GI	none	Score	77
Exons	5851..5970, 5888..5998, 6179..6520, 6179..6520, 6450..6530, 8673..8795, 8674..8790, 8908..8931, 8934..9317, 8980..9183, 9262..9291		
Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o2.tc	Method	TBLASTX:Cress
Start	6299	End	9293
GI	none	Score	81
Exons	6299..6361, 6300..6368, 6362..6496, 6368..6484, 9096..9158, 9097..9156, 9159..9293, 9165..9284		
Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o3.tc	Method	TBLASTX:Cress
Start	6521	End	9896
GI	none	Score	84
Exons	6521..6661, 9336..9491, 9361..9462, 9561..9896		
Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o3.tm	Method	TBLASTX:Maize
Start	6531	End	9671
GI	none	Score	60
Exons	6531..6599, 6533..6598, 6749..6868, 6773..6868, 9318..9398,		

9324..9398, 9325..9399, 9325..9402, 9489..9671, 9507..9593, 9582..9629

Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o4.tm	Method	TBLASTX:Maize
Start	6869	End	9908
GI	none	Score	163
Exons	6869..6958, 6944..7108, 9692..9901, 9705..9908		

Seq. No.	37294	Seq. ID	OJ990618_07.9C01.C14
Gene No.	76584	Strand	-
Start	5037	End	9908
Name	OJ990618_07.9C01.C14.o3.gs	Method	GENSCAN
Start	8328	End	9899
GI	none	Score	.83
Exons	8328..8789, 8907..9899		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o1.gs	Method	GENSCAN
Start	130	End	5171
GI	none	Score	.86
Exons	130..190, 404..563, 2228..2636, 3324..3438, 3531..3640, 4569..4694, 5094..5171		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o1.gp	Method	AAT/GAP
Start	2379	End	3578
GI	none	Score	735
Exons	2379..2636, 3324..3438, 3531..3578		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o1.np	Method	AAT/NAP
Start	2460	End	5678
GI	6957705	Score	631
Exons	2460..2636, 3324..3447, 3549..3640, 4569..4694, 4794..4914, 5009..5093, 5198..5311, 5405..5435, 5608..5678		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	2481	End	5335
GI	none	Score	238
Exons	2481..2636, 2512..2556, 2534..2638, 2605..2643, 3328..3438, 3344..3439, 3525..3632, 3526..3636, 3531..3641, 3554..3643, 3575..3643, 4569..4694, 4571..4693, 4793..4915, 4794..4913, 4996..5094, 5010..5093, 5193..5315, 5195..5314, 5198..5335		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o2.tc	Method	TBLASTX:Cress
Start	2484	End	2638
GI	none	Score	222
Exons	2484..2636, 2513..2638, 2534..2638		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o2.ts	Method	TBLASTX:Soybean
Start	2484	End	2636
GI	none	Score	203
Exons	2484..2636, 2534..2629		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	3319	End	3643
GI	none	Score	113
Exons	3319..3438, 3322..3420, 3526..3642, 3537..3638, 3541..3639, 3572..3643		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	3590	End	5315
GI	none	Score	69
Exons	3590..3640, 4578..4694, 4794..4913, 4797..4892, 4995..5081, 4996..5094, 5193..5315, 5204..5314		

Seq. No.	37295	Seq. ID	OJ990618_07.9C01.C15
Gene No.	76585	Strand	+
Start	130	End	5678
Name	OJ990618_07.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	4568	End	5315
GI	none	Score	125
Exons	4568..4681, 4569..4694, 4794..4913, 4794..4913, 4995..5096, 4996..5094, 5193..5315, 5204..5314		

Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76586	Strand	+
Start	1	End	5887
Name	OJ990618_07.9C01.C16.o1.np	Method	AAT/NAP
Start	1	End	825
GI	6957705	Score	327
Exons	1..126, 220..259, 676..825		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76586	Strand	+
Start	1	End	5887
Name	OJ990618_07.9C01.C16.o1.gp	Method	AAT/GAP
Start	656	End	1171

GI	none	Score	968
Exons	656..1171		

Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76586	Strand	+
Start	1	End	5887
Name	OJ990618_07.9C01.C16.o1.gs	Method	GENSCAN
Start	676	End	5887
GI	none	Score	.86
Exons	676..824, 1382..1571, 1985..2093, 2319..2459, 2608..2759, 2833..3387, 4747..4974, 5063..5203, 5293..5493, 5606..5887		

Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76586	Strand	+
Start	1	End	5887
Name	OJ990618_07.9C01.C16.o2.np	Method	AAT/NAP
Start	1506	End	5221
GI	2353175	Score	286
Exons	1506..1544, 2940..3390, 4750..4974, 5063..5221		
GI Descrip.	(AF015544) sigma factor 3 [Arabidopsis thaliana] gi|2463554|dbj|BAA22530| (D89994) SigC [Arabidopsis thaliana] gi|5478585|dbj|BAA82450.1| (AB019944) sigma factor SigC [Arabidopsis thaliana]		

Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76586	Strand	+
Start	1	End	5887
Name	OJ990618_07.9C01.C16.o2.gp	Method	AAT/GAP
Start	2810	End	4810
GI	none	Score	1208
Exons	2810..3387, 4747..4810		

Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76586	Strand	+
Start	1	End	5887
Name	OJ990618_07.9C01.C16.o3.np	Method	AAT/NAP
Start	4829	End	5881
GI	1710683	Score	299
Exons	4829..4974, 5063..5203, 5293..5493, 5606..5881		
GI Descrip.	RNA POLYMERASE SIGMA FACTOR RPOD gi|149623 (M96579) RNA polymerase sigma-subunit [Leptospira borgpetersenii]		

Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76586	Strand	+
Start	1	End	5887
Name	OJ990618_07.9C01.C16.o3.gp	Method	AAT/GAP
Start	4912	End	5694
GI	5990_1.R1084	Score	887
Exons	4912..4974, 5063..5203, 5293..5493, 5606..5694		
GI Descrip.	'2398853/dbj|BAA22215| 6.0e-29 (AB004822) plastid RNA polymerase sigma-subunit [Arabidopsis thaliana]'		

Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76587	Strand	-
Start	6801	End	8326
Name	OJ990618_07.9C01.C16.o1.tm	Method	TBLASTX:Maize
Start	10	End	831

GI	none	Score	148
Exons	10..129, 12..128, 13..150, 672..827, 673..831		
Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76587	Strand	-
Start	6801	End	8326
Name	OJ990618_07.9C01.C16.o1.tc	Method	TBLASTX:Cress
Start	4786	End	5869
GI	none	Score	127
Exons	4786..4974, 4809..4970, 5057..5203, 5062..5202, 5310..5468, 5317..5487, 5606..5869		
Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76587	Strand	-
Start	6801	End	8326
Name	OJ990618_07.9C01.C16.o3.tm	Method	TBLASTX:Maize
Start	4789	End	5194
GI	none	Score	120
Exons	4789..4974, 5057..5194, 5062..5178		
Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76587	Strand	-
Start	6801	End	8326
Name	OJ990618_07.9C01.C16.o2.tm	Method	TBLASTX:Maize
Start	5292	End	5707
GI	none	Score	254
Exons	5292..5495, 5293..5490, 5564..5707, 5588..5701		
Seq. No.	37296	Seq. ID	OJ990618_07.9C01.C16
Gene No.	76587	Strand	-
Start	6801	End	8326
Name	OJ990618_07.9C01.C16.o2.gs	Method	GENSCAN
Start	6801	End	8326
GI	none	Score	.48
Exons	6801..6900, 7933..8128, 8191..8326		
Seq. No.	37297	Seq. ID	OJ990618_07.9C01.C17
Gene No.	76588	Strand	-
Start	94	End	270
Name	OJ990618_07.9C01.C17.o1.gs	Method	GENSCAN
Start	94	End	270
GI	none	Score	.72
Exons	94..270		
Seq. No.	37298	Seq. ID	OJ990618_07.9C01.C18
Gene No.	76589	Strand	-
Start	102	End	252
Name	OJ990618_07.9C01.C18.o1.gp	Method	AAT/GAP
Start	102	End	252
GI	21474_1.R1084	Score	250
Exons	102..252		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	37299	Seq. ID	OJ990618_07.9C01.C21
Gene No.	76590	Strand	-
Start	316	End	426

Name	OJ990618_07.9C01.C21.o1.gs	Method	GENSCAN
Start	316	End	426
GI	none	Score	.78
Exons	316..426		

Seq. No.	37300	Seq. ID	OJ990618_07.9C01.C22
Gene No.	76591	Strand	+
Start	205	End	570
Name	OJ990618_07.9C01.C22.o1.gs	Method	GENSCAN
Start	205	End	570
GI	none	Score	.83
Exons	205..243, 368..570		

Seq. No.	37301	Seq. ID	OJ990618_07.9C01.C23
Gene No.	76592	Strand	+
Start	390	End	444
Name	OJ990618_07.9C01.C23.o1.gs	Method	GENSCAN
Start	390	End	444
GI	none	Score	.96
Exons	390..444		

Seq. No.	37302	Seq. ID	OJ990618_07.9C01.C26
Gene No.	76593	Strand	+
Start	264	End	508
Name	OJ990618_07.9C01.C26.o1.gs	Method	GENSCAN
Start	264	End	508
GI	none	Score	.85
Exons	264..330, 393..508		

Seq. No.	37303	Seq. ID	OJ990618_07.9C01.C27
Gene No.	76594	Strand	+
Start	487	End	638
Name	OJ990618_07.9C01.C27.o1.gs	Method	GENSCAN
Start	487	End	638
GI	none	Score	.94
Exons	487..638		

Seq. No.	37304	Seq. ID	OJ990618_07.9C01.C29
Gene No.	76595	Strand	+
Start	3	End	200
Name	OJ990618_07.9C01.C29.o1.gs	Method	GENSCAN
Start	3	End	200
GI	none	Score	.99
Exons	3..200		

Seq. No.	37305	Seq. ID	OJ990618_07.9C01.C31
Gene No.	76596	Strand	+
Start	1	End	569
Name	OJ990618_07.9C01.C31.o1.np	Method	AAT/NAP
Start	1	End	569
GI	137511	Score	172
Exons	1..23, 408..569		
GI Descrip.	RECOMBINATION PROTEIN BET gi|75978|pir||QBBPL recombination protein bet - phage lambda gi|215138 (J02459) bet (recombination;261) [Bacteriophage lambda]		

Seq. No.	37305	Seq. ID	OJ990618_07.9C01.C31

Gene No.	76596	Strand	+
Start	1	End	569
Name	OJ990618_07.9C01.C31.o1.gs	Method	GENSCAN
Start	65	End	536
GI	none	Score	.68
Exons	65..536		

Seq. No.	37306	Seq. ID	OJ990618_07.9C01.C33
Gene No.	76597	Strand	+
Start	84	End	364
Name	OJ990618_07.9C01.C33.o1.gp	Method	AAT/GAP
Start	84	End	364
GI	29536_1.R1084	Score	527
Exons	84..364		
GI Descrip.	'3513744 3.0e-22 (AF080118) contains similarity to Medicago truncatula MtN3 (GB:Y08726) [Arabidopsis thaliana]'		

Seq. No.	37306	Seq. ID	OJ990618_07.9C01.C33
Gene No.	76598	Strand	-
Start	1	End	361
Name	OJ990618_07.9C01.C33.o1.np	Method	AAT/NAP
Start	1	End	341
GI	3513744	Score	267
Exons	1..341		
GI Descrip.	(AF080118) contains similarity to Medicago truncatula MtN3 (GB:Y08726) [Arabidopsis thaliana]		

Seq. No.	37306	Seq. ID	OJ990618_07.9C01.C33
Gene No.	76598	Strand	-
Start	1	End	361
Name	OJ990618_07.9C01.C33.o1.gs	Method	GENSCAN
Start	48	End	361
GI	none	Score	.98
Exons	48..361		

Seq. No.	37306	Seq. ID	OJ990618_07.9C01.C33
Gene No.	76599	Strand	-
Start	407	End	499
Name	OJ990618_07.9C01.C33.o1.ts	Method	TBLASTX:Soybean
Start	96	End	389
GI	none	Score	95
Exons	96..389, 139..261, 231..308, 322..369		

Seq. No.	37306	Seq. ID	OJ990618_07.9C01.C33
Gene No.	76599	Strand	-
Start	407	End	499
Name	OJ990618_07.9C01.C33.o1.tc	Method	TBLASTX:Cress
Start	99	End	368
GI	none	Score	134
Exons	99..368, 118..363		

Seq. No.	37306	Seq. ID	OJ990618_07.9C01.C33
Gene No.	76599	Strand	-
Start	407	End	499
Name	OJ990618_07.9C01.C33.o1.tm	Method	TBLASTX:Maize
Start	108	End	368
GI	none	Score	133

Exons	108..368, 109..264, 231..308		
Seq. No.	37306	Seq. ID	OJ990618_07.9C01.C33
Gene No.	76599	Strand	-
Start	407	End	499
Name	OJ990618_07.9C01.C33.o2.gp	Method	AAT/GAP
Start	407	End	499
GI	LIB3477-003-P1-K1-E9	Score	164
Exons	407..499		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	37307	Seq. ID	OJ990618_07.9C01.C36
Gene No.	76600	Strand	+
Start	1	End	409
Name	OJ990618_07.9C01.C36.o1.np	Method	AAT/NAP
Start	1	End	409
GI	6714316	Score	168
Exons	1..132, 214..409		
GI Descrip.	(AC016972) unknown protein [Arabidopsis thaliana]		
Seq. No.	37307	Seq. ID	OJ990618_07.9C01.C36
Gene No.	76600	Strand	+
Start	1	End	409
Name	OJ990618_07.9C01.C36.o1.tm	Method	TBLASTX:Maize
Start	55	End	373
GI	none	Score	144
Exons	55..132, 56..133, 215..373, 217..339, 218..370		
Seq. No.	37307	Seq. ID	OJ990618_07.9C01.C36
Gene No.	76600	Strand	+
Start	1	End	409
Name	OJ990618_07.9C01.C36.o1.ts	Method	TBLASTX:Soybean
Start	56	End	331
GI	none	Score	115
Exons	56..133, 56..133, 67..153, 215..331, 215..328, 220..330		
Seq. No.	37308	Seq. ID	OJ990618_07.9C01.C37
Gene No.	76601	Strand	-
Start	1	End	600
Name	OJ990618_07.9C01.C37.o1.np	Method	AAT/NAP
Start	1	End	600
GI	6539553	Score	910
Exons	1..600		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	37308	Seq. ID	OJ990618_07.9C01.C37
Gene No.	76601	Strand	-
Start	1	End	600
Name	OJ990618_07.9C01.C37.o1.tw	Method	TBLASTX:Wheat
Start	46	End	519
GI	none	Score	52
Exons	46..108, 50..109, 90..428, 114..428, 115..429, 444..518,		

446..517, 448..519

Seq. No.	37308	Seq. ID	OJ990618_07.9C01.C37
Gene No.	76601	Strand	-
Start	1	End	600
Name	OJ990618_07.9C01.C37.o1.ts	Method	TBLASTX:Soybean
Start	171	End	512
GI	none	Score	73
Exons	171..386, 192..386, 250..387, 399..512, 406..486		

Seq. No.	37308	Seq. ID	OJ990618_07.9C01.C37
Gene No.	76601	Strand	-
Start	1	End	600
Name	OJ990618_07.9C01.C37.o1.tm	Method	TBLASTX:Maize
Start	376	End	597
GI	none	Score	173
Exons	376..597, 387..590, 502..597		

Seq. No.	37309	Seq. ID	OJ990618_07.9C01.C40
Gene No.	76602	Strand	+
Start	1	End	282
Name	OJ990618_07.9C01.C40.o1.np	Method	AAT/NAP
Start	1	End	282
GI	2586082	Score	263
Exons	1..282		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	37309	Seq. ID	OJ990618_07.9C01.C40
Gene No.	76602	Strand	+
Start	1	End	282
Name	OJ990618_07.9C01.C40.o1.tw	Method	TBLASTX:Wheat
Start	2	End	199
GI	none	Score	65
Exons	2..76, 2..112, 3..110, 88..171, 89..199		

Seq. No.	37310	Seq. ID	OJ990618_07.9C01.C41
Gene No.	76603	Strand	+
Start	14	End	222
Name	OJ990618_07.9C01.C41.o1.gs	Method	GENSCAN
Start	14	End	222
GI	none	Score	.87
Exons	14..222		

Seq. No.	37311	Seq. ID	OJ990618_07.9C01.C42
Gene No.	76604	Strand	-
Start	48	End	91
Name	OJ990618_07.9C01.C42.o1.gs	Method	GENSCAN
Start	48	End	91
GI	none	Score	.99
Exons	48..91		

Seq. No.	37312	Seq. ID	OJ990318_08.9C23.C1
Gene No.	76605	Strand	+
Start	1	End	812
Name	OJ990318_08.9C23.C1.o1.np	Method	AAT/NAP
Start	1	End	812
GI	5295971	Score	773

Exons	1..812		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	37312	Seq. ID	OJ990318_08.9C23.C1
Gene No.	76606	Strand	-
Start	13	End	810
Name	OJ990318_08.9C23.C1.o1.gs	Method	GENSCAN
Start	13	End	810
GI	none	Score	.71
Exons	13..337, 436..516, 536..717, 742..810		
Seq. No.	37312	Seq. ID	OJ990318_08.9C23.C1
Gene No.	76606	Strand	-
Start	13	End	810
Name	OJ990318_08.9C23.C1.o2.ts	Method	TBLASTX:Soybean
Start	52	End	339
GI	none	Score	190
Exons	52..339		
Seq. No.	37312	Seq. ID	OJ990318_08.9C23.C1
Gene No.	76606	Strand	-
Start	13	End	810
Name	OJ990318_08.9C23.C1.o1.tw	Method	TBLASTX:Wheat
Start	160	End	705
GI	none	Score	338
Exons	160..606, 360..599, 610..705		
Seq. No.	37312	Seq. ID	OJ990318_08.9C23.C1
Gene No.	76606	Strand	-
Start	13	End	810
Name	OJ990318_08.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	352	End	777
GI	none	Score	384
Exons	352..693, 360..683, 706..777		
Seq. No.	37312	Seq. ID	OJ990318_08.9C23.C1
Gene No.	76606	Strand	-
Start	13	End	810
Name	OJ990318_08.9C23.C1.o1.ts	Method	TBLASTX:Soybean
Start	379	End	789
GI	none	Score	357
Exons	379..789, 387..680		
Seq. No.	37312	Seq. ID	OJ990318_08.9C23.C1
Gene No.	76606	Strand	-
Start	13	End	810
Name	OJ990318_08.9C23.C1.o1.tc	Method	TBLASTX:Cress
Start	394	End	789
GI	none	Score	251
Exons	394..789, 396..479, 504..677		
Seq. No.	37313	Seq. ID	OJ990318_08.9C23.C2
Gene No.	76607	Strand	-
Start	68	End	649
Name	OJ990318_08.9C23.C2.o1.gs	Method	GENSCAN

Start	68	End	649
GI	none	Score	.96
Exons	68..243, 570..649		

Seq. No.	37314	Seq. ID	OJ990318_08.9C23.C3
Gene No.	76608	Strand	+
Start	622	End	737
Name	OJ990318_08.9C23.C3.o1.gs	Method	GENSCAN
Start	622	End	737
GI	none	Score	.95
Exons	622..737		

Seq. No.	37314	Seq. ID	OJ990318_08.9C23.C3
Gene No.	76609	Strand	-
Start	1388	End	1669
Name	OJ990318_08.9C23.C3.o2.gs	Method	GENSCAN
Start	1388	End	1669
GI	none	Score	.76
Exons	1388..1669		

Seq. No.	37315	Seq. ID	OJ990318_08.9C23.C4
Gene No.	76610	Strand	-
Start	44	End	694
Name	OJ990318_08.9C23.C4.o1.gs	Method	GENSCAN
Start	44	End	694
GI	none	Score	.97
Exons	44..151, 515..694		

Seq. No.	37316	Seq. ID	OJ990318_08.9C23.C7
Gene No.	76611	Strand	+
Start	1064	End	1600
Name	OJ990318_08.9C23.C7.o1.gs	Method	GENSCAN
Start	1064	End	1600
GI	none	Score	.96
Exons	1064..1289, 1470..1600		

Seq. No.	37316	Seq. ID	OJ990318_08.9C23.C7
Gene No.	76612	Strand	+
Start	1821	End	2429
Name	OJ990318_08.9C23.C7.o2.gs	Method	GENSCAN
Start	1821	End	2429
GI	none	Score	.58
Exons	1821..1912, 2147..2429		

Seq. No.	37316	Seq. ID	OJ990318_08.9C23.C7
Gene No.	76613	Strand	-
Start	2315	End	2858
Name	OJ990318_08.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	2292	End	2847
GI	none	Score	106
Exons	2292..2402, 2299..2445, 2598..2678, 2600..2710, 2604..2699, 2626..2700, 2680..2847, 2695..2844		

Seq. No.	37316	Seq. ID	OJ990318_08.9C23.C7
Gene No.	76613	Strand	-
Start	2315	End	2858
Name	OJ990318_08.9C23.C7.o1.np	Method	AAT/NAP

Start	2315	End	2845
GI	4884932	Score	207
Exons	2315..2389, 2600..2845		
GI Descrip.	(AF141659) AtHVA22a [Arabidopsis thaliana] gi|4884944|gb|AAD31885.1|AF141977_1 (AF141977) AtHVA22a [Arabidopsis thaliana] gi|6539254|gb|AAF15924.1|AC011765_20 (AC011765) AtHVA22a [Arabidopsis thaliana]		

Seq. No.	37316	Seq. ID	OJ990318_08.9C23.C7
Gene No.	76613	Strand	-
Start	2315	End	2858
Name	OJ990318_08.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	2585	End	2846
GI	none	Score	84
Exons	2585..2743, 2686..2844, 2705..2827, 2739..2846		

Seq. No.	37316	Seq. ID	OJ990318_08.9C23.C7
Gene No.	76613	Strand	-
Start	2315	End	2858
Name	OJ990318_08.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	2589	End	2858
GI	none	Score	66
Exons	2589..2732, 2600..2740, 2687..2842, 2695..2844, 2707..2853, 2745..2858		

Seq. No.	37316	Seq. ID	OJ990318_08.9C23.C7
Gene No.	76613	Strand	-
Start	2315	End	2858
Name	OJ990318_08.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	2607	End	2853
GI	none	Score	44
Exons	2607..2657, 2689..2844, 2707..2853		

Seq. No.	37317	Seq. ID	OJ990318_08.9C23.C8
Gene No.	76614	Strand	+
Start	201	End	348
Name	OJ990318_08.9C23.C8.o1.gs	Method	GENSCAN
Start	201	End	348
GI	none	Score	.85
Exons	201..348		

Seq. No.	37318	Seq. ID	OJ990318_08.9C23.C9
Gene No.	76615	Strand	+
Start	1	End	184
Name	OJ990318_08.9C23.C9.o1.np	Method	AAT/NAP
Start	1	End	184
GI	5257259	Score	107
Exons	1..184		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	37318	Seq. ID	OJ990318_08.9C23.C9
Gene No.	76616	Strand	+
Start	225	End	311
Name	OJ990318_08.9C23.C9.o1.gs	Method	GENSCAN
Start	225	End	311
GI	none	Score	.96
Exons	225..311		

Seq. No.	37319	Seq. ID	OJ990318_08.9C23.C10
Gene No.	76617	Strand	+
Start	106	End	198
Name	OJ990318_08.9C23.C10.o1.gs	Method	GENSCAN
Start	106	End	198
GI	none	Score	.4
Exons	106..198		

Seq. No.	37319	Seq. ID	OJ990318_08.9C23.C10
Gene No.	76618	Strand	-
Start	248	End	930
Name	OJ990318_08.9C23.C10.o1.np	Method	AAT/NAP
Start	248	End	930
GI	6815099	Score	88
Exons	248..356, 734..930		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	37320	Seq. ID	OJ990318_08.9C23.C11
Gene No.	76619	Strand	+
Start	347	End	667
Name	OJ990318_08.9C23.C11.o1.np	Method	AAT/NAP
Start	347	End	667
GI	6440857	Score	301
Exons	347..667		
GI Descrip.	(AU066528) 40S ribosomal protein S9 [Chlamydomonas sp.]		

Seq. No.	37320	Seq. ID	OJ990318_08.9C23.C11
Gene No.	76619	Strand	+
Start	347	End	667
Name	OJ990318_08.9C23.C11.o1.tc	Method	TBLASTX:Cress
Start	353	End	624
GI	none	Score	369
Exons	353..622, 356..622, 357..623, 442..624		

Seq. No.	37320	Seq. ID	OJ990318_08.9C23.C11
Gene No.	76619	Strand	+
Start	347	End	667
Name	OJ990318_08.9C23.C11.o1.ts	Method	TBLASTX:Soybean
Start	357	End	624
GI	none	Score	84
Exons	357..575, 376..624, 377..622		

Seq. No.	37320	Seq. ID	OJ990318_08.9C23.C11
Gene No.	76619	Strand	+
Start	347	End	667
Name	OJ990318_08.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	361	End	622
GI	none	Score	241
Exons	361..615, 374..622, 377..622		

Seq. No.	37320	Seq. ID	OJ990318_08.9C23.C11
Gene No.	76619	Strand	+
Start	347	End	667
Name	OJ990318_08.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	374	End	624
GI	none	Score	417

Exons	374..622, 376..624, 377..622		
Seq. No.	37320	Seq. ID	OJ990318_08.9C23.C11
Gene No.	76619	Strand	+
Start	347	End	667
Name	OJ990318_08.9C23.C11.o1.gp	Method	AAT/GAP
Start	375	End	624
GI	5144_1.R1084	Score	433
Exons	375..624		
GI Descrip.	'3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		
Seq. No.	37320	Seq. ID	OJ990318_08.9C23.C11
Gene No.	76619	Strand	+
Start	347	End	667
Name	OJ990318_08.9C23.C11.o1.gs	Method	GENSCAN
Start	375	End	569
GI	none	Score	.76
Exons	375..569		
Seq. No.	37321	Seq. ID	OJ990318_08.9C23.C12
Gene No.	76620	Strand	-
Start	1	End	673
Name	OJ990318_08.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	652
GI	3426064	Score	125
Exons	1..59, 216..417, 567..652		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		
Seq. No.	37321	Seq. ID	OJ990318_08.9C23.C12
Gene No.	76620	Strand	-
Start	1	End	673
Name	OJ990318_08.9C23.C12.o1.gs	Method	GENSCAN
Start	271	End	673
GI	none	Score	.66
Exons	271..417, 567..673		
Seq. No.	37321	Seq. ID	OJ990318_08.9C23.C12
Gene No.	76620	Strand	-
Start	1	End	673
Name	OJ990318_08.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	282	End	420
GI	none	Score	162
Exons	282..419, 298..420		
Seq. No.	37321	Seq. ID	OJ990318_08.9C23.C12
Gene No.	76620	Strand	-
Start	1	End	673
Name	OJ990318_08.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	282	End	420
GI	none	Score	157
Exons	282..419, 295..420		
Seq. No.	37322	Seq. ID	OJ990318_08.9C23.C13

Gene No.	76621	Strand	+
Start	117	End	206
Name	OJ990318_08.9C23.C13.o1.gs	Method	GENSCAN
Start	117	End	206
GI	none	Score	.66
Exons	117..206		

Seq. No.	37322	Seq. ID	OJ990318_08.9C23.C13
Gene No.	76622	Strand	-
Start	1	End	305
Name	OJ990318_08.9C23.C13.o1.gp	Method	AAT/GAP
Start	1	End	305
GI	17795_1.R1084	Score	574
Exons	1..305		
GI Descrip.	'3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	37322	Seq. ID	OJ990318_08.9C23.C13
Gene No.	76623	Strand	-
Start	648	End	711
Name	OJ990318_08.9C23.C13.o2.gp	Method	AAT/GAP
Start	648	End	711
GI	28299_1.R1084	Score	128
Exons	648..711		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	37323	Seq. ID	OJ990318_08.9C23.C14
Gene No.	76624	Strand	-
Start	86	End	207
Name	OJ990318_08.9C23.C14.o1.gs	Method	GENSCAN
Start	86	End	207
GI	none	Score	.44
Exons	86..207		

Seq. No.	37324	Seq. ID	OJ990318_08.9C23.C15
Gene No.	76625	Strand	+
Start	1	End	638
Name	OJ990318_08.9C23.C15.o1.np	Method	AAT/NAP
Start	1	End	638
GI	5803221	Score	260
Exons	1..505, 612..638		
GI Descrip.	WD repeat domain 3 gi|5639663|gb|AAD45865.1|AF083217_1 (AF083217) WD repeat protein WDR3 [Homo sapiens]		

Seq. No.	37324	Seq. ID	OJ990318_08.9C23.C15
Gene No.	76625	Strand	+
Start	1	End	638
Name	OJ990318_08.9C23.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	152
GI	none	Score	233
Exons	2..151, 3..152		

Seq. No.	37324	Seq. ID	OJ990318_08.9C23.C15
Gene No.	76625	Strand	+
Start	1	End	638

Name	OJ990318_08.9C23.C15.o1.tc	Method	TBLASTX:Cress
Start	3	End	284
GI	none	Score	301
Exons	3..284, 28..243, 29..244		

Seq. No.	37324	Seq. ID	OJ990318_08.9C23.C15
Gene No.	76625	Strand	+
Start	1	End	638
Name	OJ990318_08.9C23.C15.o1.ts	Method	TBLASTX:Soybean
Start	29	End	280
GI	none	Score	312
Exons	29..247, 39..278, 41..280, 42..278		

Seq. No.	37324	Seq. ID	OJ990318_08.9C23.C15
Gene No.	76625	Strand	+
Start	1	End	638
Name	OJ990318_08.9C23.C15.o1.gs	Method	GENSCAN
Start	48	End	434
GI	none	Score	.56
Exons	48..434		

Seq. No.	37324	Seq. ID	OJ990318_08.9C23.C15
Gene No.	76625	Strand	+
Start	1	End	638
Name	OJ990318_08.9C23.C15.o2.tm	Method	TBLASTX:Maize
Start	320	End	440
GI	none	Score	176
Exons	320..436, 321..440, 322..438		

Seq. No.	37325	Seq. ID	OJ990318_08.9C23.C16
Gene No.	76626	Strand	-
Start	36	End	661
Name	OJ990318_08.9C23.C16.o1.gs	Method	GENSCAN
Start	36	End	661
GI	none	Score	.5
Exons	36..661		

Seq. No.	37326	Seq. ID	OJ990318_08.9C23.C17
Gene No.	76627	Strand	+
Start	260	End	1291
Name	OJ990318_08.9C23.C17.o1.gs	Method	GENSCAN
Start	260	End	1291
GI	none	Score	.61
Exons	260..329, 1179..1291		

Seq. No.	37327	Seq. ID	OJ990318_08.9C23.C18
Gene No.	76628	Strand	+
Start	439	End	1540
Name	OJ990318_08.9C23.C18.o1.gs	Method	GENSCAN
Start	439	End	1540
GI	none	Score	.54
Exons	439..624, 1448..1540		

Seq. No.	37327	Seq. ID	OJ990318_08.9C23.C18
Gene No.	76629	Strand	+
Start	3350	End	4472
Name	OJ990318_08.9C23.C18.o1.gp	Method	AAT/GAP

Start	3350	End	4471
GI	148_1.R1084	Score	800
Exons	3350..3542, 4002..4075, 4172..4255, 4374..4471		
GI Descrip.	'5931625/dbj|BAA84717.1| 1.0e-106 (AB032761) rab5B [Oryza sativa]'		

Seq. No.	37327	Seq. ID	OJ990318_08.9C23.C18
Gene No.	76629	Strand	+
Start	3350	End	4472
Name	OJ990318_08.9C23.C18.o1.np	Method	AAT/NAP
Start	3518	End	4472
GI	5931625	Score	348
Exons	3518..3542, 4002..4075, 4172..4255, 4374..4472		
GI Descrip.	(AB032761) rab5B [Oryza sativa]		

Seq. No.	37327	Seq. ID	OJ990318_08.9C23.C18
Gene No.	76630	Strand	-
Start	1701	End	3566
Name	OJ990318_08.9C23.C18.o2.gs	Method	GENSCAN
Start	1701	End	3566
GI	none	Score	.43
Exons	1701..1969, 3281..3368, 3492..3566		

Seq. No.	37327	Seq. ID	OJ990318_08.9C23.C18
Gene No.	76631	Strand	
Start	3492	End	4475
Name	OJ990318_08.9C23.C18.o1.tm	Method	TBLASTX:Maize
Start	3492	End	4472
GI	none	Score	70
Exons	3492..3545, 3494..3544, 3997..4044, 3998..4045, 4054..4074, 4120..4278, 4170..4265, 4170..4280, 4184..4279, 4371..4472, 4373..4471		

Seq. No.	37327	Seq. ID	OJ990318_08.9C23.C18
Gene No.	76631	Strand	
Start	3492	End	4475
Name	OJ990318_08.9C23.C18.o1.tc	Method	TBLASTX:Cress
Start	4120	End	4475
GI	none	Score	125
Exons	4120..4260, 4184..4279, 4184..4276, 4371..4475, 4373..4471		

Seq. No.	37327	Seq. ID	OJ990318_08.9C23.C18
Gene No.	76631	Strand	
Start	3492	End	4475
Name	OJ990318_08.9C23.C18.o1.ts	Method	TBLASTX:Soybean
Start	4152	End	4472
GI	none	Score	133
Exons	4152..4244, 4159..4278, 4184..4279, 4371..4472, 4373..4471		

Seq. No.	37328	Seq. ID	OJ990318_08.9C23.C19
Gene No.	76632	Strand	-
Start	119	End	600
Name	OJ990318_08.9C23.C19.o1.gs	Method	GENSCAN
Start	119	End	600
GI	none	Score	.88
Exons	119..232, 501..600		

Seq. No.	37329	Seq. ID	OJ990318_08.9C23.C21
Gene No.	76633	Strand	-
Start	198	End	474
Name	OJ990318_08.9C23.C21.o1.gs	Method	GENSCAN
Start	198	End	474
GI	none	Score	.93
Exons	198..474		

Seq. No.	37330	Seq. ID	OJ990318_08.9C23.C22
Gene No.	76634	Strand	-
Start	191	End	421
Name	OJ990318_08.9C23.C22.o1.np	Method	AAT/NAP
Start	191	End	415
GI	3757522	Score	84
Exons	191..251, 347..415		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	37330	Seq. ID	OJ990318_08.9C23.C22
Gene No.	76634	Strand	-
Start	191	End	421
Name	OJ990318_08.9C23.C22.o1.tm	Method	TBLASTX:Maize
Start	193	End	421
GI	none	Score	98
Exons	193..252, 195..254, 195..254, 344..421, 347..421		

Seq. No.	37330	Seq. ID	OJ990318_08.9C23.C22
Gene No.	76634	Strand	-
Start	191	End	421
Name	OJ990318_08.9C23.C22.o1.gs	Method	GENSCAN
Start	268	End	419
GI	none	Score	.46
Exons	268..419		

Seq. No.	37331	Seq. ID	OJ990318_08.9C23.C23
Gene No.	76635	Strand	+
Start	268	End	399
Name	OJ990318_08.9C23.C23.o1.gs	Method	GENSCAN
Start	268	End	399
GI	none	Score	.95
Exons	268..399		

Seq. No.	37332	Seq. ID	OJ990318_08.9C23.C25
Gene No.	76636	Strand	+
Start	63	End	269
Name	OJ990318_08.9C23.C25.o1.gs	Method	GENSCAN
Start	63	End	269
GI	none	Score	.55
Exons	63..269		

Seq. No.	37333	Seq. ID	OJ990318_08.9C23.C26
Gene No.	76637	Strand	-
Start	380	End	464
Name	OJ990318_08.9C23.C26.o1.gs	Method	GENSCAN
Start	380	End	464
GI	none	Score	.7
Exons	380..464		

Seq. No.	37334	Seq. ID	OJ990318_08.9C23.C29
Gene No.	76638	Strand	+
Start	274	End	420
Name	OJ990318_08.9C23.C29.o1.gs	Method	GENSCAN
Start	274	End	420
GI	none	Score	.59
Exons	274..420		

Seq. No.	37335	Seq. ID	OJ990318_08.9C23.C30
Gene No.	76639	Strand	-
Start	1	End	206
Name	OJ990318_08.9C23.C30.o1.np	Method	AAT/NAP
Start	1	End	206
GI	6006359	Score	54
Exons	1..26, 109..206		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	37336	Seq. ID	OJ990318_08.9C23.C31
Gene No.	76640	Strand	+
Start	298	End	809
Name	OJ990318_08.9C23.C31.o1.gs	Method	GENSCAN
Start	298	End	809
GI	none	Score	.77
Exons	298..430, 626..672, 718..809		

Seq. No.	37337	Seq. ID	OJ990318_08.9C23.C33
Gene No.	76641	Strand	+
Start	1	End	334
Name	OJ990318_08.9C23.C33.o1.gp	Method	AAT/GAP
Start	1	End	334
GI	36037_1.R1084	Score	652
Exons	1..334		
GI Descrip.	'3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	37337	Seq. ID	OJ990318_08.9C23.C33
Gene No.	76641	Strand	+
Start	1	End	334
Name	OJ990318_08.9C23.C33.o1.gs	Method	GENSCAN
Start	196	End	328
GI	none	Score	.72
Exons	196..328		

Seq. No.	37338	Seq. ID	OJ990318_08.9C23.C37
Gene No.	76642	Strand	+
Start	82	End	508
Name	OJ990318_08.9C23.C37.o1.gp	Method	AAT/GAP
Start	82	End	491
GI	4715556	Score	558
Exons	82..231, 345..491		
GI Descrip.	3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	37338	Seq. ID	OJ990318_08.9C23.C37
Gene No.	76642	Strand	+

Start	82	End	508
Name	OJ990318_08.9C23.C37.o1.gs	Method	GENSCAN
Start	152	End	491
GI	none	Score	.98
Exons	152..231, 345..491		

Seq. No.	37338	Seq. ID	OJ990318_08.9C23.C37
Gene No.	76642	Strand	+
Start	82	End	508
Name	OJ990318_08.9C23.C37.o1.np	Method	AAT/NAP
Start	152	End	478
GI	3426064	Score	180
Exons	152..231, 345..478		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	37338	Seq. ID	OJ990318_08.9C23.C37
Gene No.	76642	Strand	+
Start	82	End	508
Name	OJ990318_08.9C23.C37.o1.tm	Method	TBLASTX:Maize
Start	323	End	508
GI	none	Score	60
Exons	323..370, 342..503, 343..504, 422..508, 430..507		

Seq. No.	37338	Seq. ID	OJ990318_08.9C23.C37
Gene No.	76642	Strand	+
Start	82	End	508
Name	OJ990318_08.9C23.C37.o1.tw	Method	TBLASTX:Wheat
Start	338	End	506
GI	none	Score	68
Exons	338..370, 342..455, 343..492, 408..506		

Seq. No.	37339	Seq. ID	OJ990318_08.9C23.C38
Gene No.	76643	Strand	+
Start	1	End	606
Name	OJ990318_08.9C23.C38.o1.np	Method	AAT/NAP
Start	1	End	606
GI	3402691	Score	75
Exons	1..69, 549..606		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76644	Strand	+
Start	836	End	7361
Name	OJ990318_08.9C23.C40.o1.np	Method	AAT/NAP
Start	836	End	5487
GI	893294	Score	804
Exons	836..1903, 3278..3470, 3808..3950, 4682..4749, 4888..4990, 5380..5487		
GI Descrip.	(L43362) 4-coumarate:CoA ligase isoform 2 [Oryza sativa]		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76644	Strand	+
Start	836	End	7361
Name	OJ990318_08.9C23.C40.o1.gs	Method	GENSCAN
Start	869	End	7361

GI	none	Score	.78
Exons	869..1903, 3278..3470, 3808..3950, 4682..4749, 4888..4990, 5344..5475, 6951..7361		
Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76644	Strand	+
Start	836	End	7361
Name	OJ990318_08.9C23.C40.o1.gp	Method	AAT/GAP
Start	4680	End	5710
GI	2769_1.R1084	Score	932
Exons	4680..4749, 4888..4990, 5380..5710		
GI Descrip.	'1663724 3.0e-26 (U50846) 4-coumarate:coenzyme A ligase [Nicotiana tabacum]'		
Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76645	Strand	+
Start	7922	End	8478
Name	OJ990318_08.9C23.C40.o2.gp	Method	AAT/GAP
Start	7922	End	8478
GI	36037_1.R1084	Score	1089
Exons	7922..8478		
GI Descrip.	'3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		
Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o2.tm	Method	TBLASTX:Maize
Start	1069	End	1684
GI	none	Score	267
Exons	1069..1335, 1112..1333, 1384..1665, 1385..1684, 1496..1684		
Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o1.ts	Method	TBLASTX:Soybean
Start	1093	End	5487
GI	none	Score	131
Exons	1093..1305, 1112..1309, 1394..1531, 1480..1536, 1589..1903, 1663..1884, 3266..3316, 3350..3472, 3849..3953, 4894..4992, 4895..4993, 5377..5487, 5379..5477		
Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o2.tc	Method	TBLASTX:Cress
Start	1108	End	5478
GI	none	Score	140
Exons	1108..1317, 1112..1321, 1448..1543, 1589..1903, 1663..1884, 3269..3316, 3308..3472, 3816..3953, 3855..3953, 4894..4992, 4904..4993, 5377..5478		
Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o3.tm	Method	TBLASTX:Maize

Start	1685	End	3872
GI	none	Score	257
Exons	1685..1903, 1687..1905, 1687..1884, 3266..3472, 3275..3469, 3277..3495, 3805..3870, 3806..3871, 3807..3872		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o2.gs	Method	GENSCAN
Start	8318	End	9881
GI	none	Score	.96
Exons	8318..9562, 9759..9881		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o1.tm	Method	TBLASTX:Maize
Start	8744	End	9804
GI	none	Score	225
Exons	8744..9097, 8751..9020, 8762..9040, 9101..9562, 9102..9566, 9649..9804, 9666..9794		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o1.tc	Method	TBLASTX:Cress
Start	8831	End	9707
GI	none	Score	55
Exons	8831..9079, 9179..9301, 9186..9296, 9317..9562, 9321..9563, 9672..9707		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o2.np	Method	AAT/NAP
Start	8831	End	9869
GI	4538930	Score	563
Exons	8831..9579, 9656..9869		
GI Descrip.	(AL049483) putative peroxidase [Arabidopsis thaliana]		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o2.ts	Method	TBLASTX:Soybean
Start	8834	End	9794
GI	none	Score	90
Exons	8834..9100, 9179..9223, 9299..9490, 9494..9562, 9666..9794		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40
Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o1.tw	Method	TBLASTX:Wheat
Start	9107	End	9457
GI	none	Score	177
Exons	9107..9322, 9108..9314, 9302..9457, 9303..9437		

Seq. No.	37340	Seq. ID	OJ990318_08.9C23.C40

Gene No.	76646	Strand	-
Start	8318	End	9893
Name	OJ990318_08.9C23.C40.o3.gp	Method	AAT/GAP
Start	9253	End	9893
GI	33020_1.R1084	Score	997
Exons	9253..9562, 9666..9893		
GI Descrip.	'6091756/gb|AAF03466.1|AC009327_5 2.0e-42 (AC009327) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	37341	Seq. ID	OJ990318_08.9C23.C41
Gene No.	76647	Strand	
Start	1453	End	3481
Name	OJ990318_08.9C23.C41.o1.tm	Method	TBLASTX:Maize
Start	1453	End	3481
GI	none	Score	44
Exons	1453..1500, 1454..1501, 1564..1881, 1592..1879, 1626..1883, 1630..1905, 3430..3480, 3431..3481, 3431..3481		

Seq. No.	37342	Seq. ID	OJ990318_08.9C23.C42
Gene No.	76648	Strand	-
Start	1	End	4130
Name	OJ990318_08.9C23.C42.o1.np	Method	AAT/NAP
Start	1	End	4130
GI	5454112	Score	214
Exons	1..75, 1617..1746, 1911..1966, 2054..2213, 2305..2364, 3076..3119, 3229..3295, 3966..4130		
GI Descrip.	transcription factor Dp-2 (E2F dimerization partner 2) gi|604479 (U18422) DP2 [Homo sapiens]		

Seq. No.	37342	Seq. ID	OJ990318_08.9C23.C42
Gene No.	76648	Strand	-
Start	1	End	4130
Name	OJ990318_08.9C23.C42.o1.ts	Method	TBLASTX:Soybean
Start	1471	End	3986
GI	none	Score	110
Exons	1471..1542, 1472..1552, 1472..1549, 1639..1740, 1643..1738, 1887..1985, 1915..1980, 2049..2216, 2055..2216, 2305..2367, 2338..2370, 3070..3129, 3074..3121, 3219..3308, 3230..3289, 3921..3986		

Seq. No.	37342	Seq. ID	OJ990318_08.9C23.C42
Gene No.	76648	Strand	-
Start	1	End	4130
Name	OJ990318_08.9C23.C42.o2.tm	Method	TBLASTX:Maize
Start	1471	End	1756
GI	none	Score	82
Exons	1471..1542, 1472..1546, 1472..1549, 1638..1748, 1639..1752, 1640..1756		

Seq. No.	37342	Seq. ID	OJ990318_08.9C23.C42
Gene No.	76648	Strand	-
Start	1	End	4130
Name	OJ990318_08.9C23.C42.o1.tc	Method	TBLASTX:Cress
Start	1472	End	2183
GI	none	Score	75
Exons	1472..1543, 1472..1549, 1613..1738, 1639..1740, 1639..1740, 1643..1768, 1887..1985, 2055..2183, 2076..2177		

Seq. No.	37342	Seq. ID	OJ990318_08.9C23.C42
Gene No.	76648	Strand	-
Start	1	End	4130
Name	OJ990318_08.9C23.C42.o1.tm	Method	TBLASTX:Maize
Start	1887	End	2214
GI	none	Score	79
Exons	1887..1985, 1911..1967, 1915..1980, 2067..2213, 2067..2213, 2074..2214		

Seq. No.	37343	Seq. ID	OJ990318_08.9C23.C43
Gene No.	76649	Strand	-
Start	24	End	259
Name	OJ990318_08.9C23.C43.o1.gs	Method	GENSCAN
Start	24	End	259
GI	none	Score	.76
Exons	24..259		

Seq. No.	37344	Seq. ID	OJ990318_08.9C23.C44
Gene No.	76650	Strand	-
Start	235	End	594
Name	OJ990318_08.9C23.C44.o1.gs	Method	GENSCAN
Start	235	End	594
GI	none	Score	.78
Exons	235..594		

Seq. No.	37345	Seq. ID	OJ990318_08.9C23.C45
Gene No.	76651	Strand	-
Start	217	End	527
Name	OJ990318_08.9C23.C45.o1.tw	Method	TBLASTX:Wheat
Start	214	End	385
GI	none	Score	111
Exons	214..381, 215..385		

Seq. No.	37345	Seq. ID	OJ990318_08.9C23.C45
Gene No.	76651	Strand	-
Start	217	End	527
Name	OJ990318_08.9C23.C45.o1.gs	Method	GENSCAN
Start	217	End	527
GI	none	Score	.59
Exons	217..416, 459..527		

Seq. No.	37346	Seq. ID	OJ990318_08.9C23.C46
Gene No.	76652	Strand	-
Start	295	End	1222
Name	OJ990318_08.9C23.C46.o1.gs	Method	GENSCAN
Start	295	End	1222
GI	none	Score	.42
Exons	295..401, 1189..1222		

Seq. No.	37347	Seq. ID	OJ990318_08.9C23.C48
Gene No.	76653	Strand	+
Start	1180	End	1786
Name	OJ990318_08.9C23.C48.o1.tm	Method	TBLASTX:Maize
Start	843	End	1673
GI	none	Score	64
Exons	843..917, 844..915, 851..940, 1172..1396, 1172..1396,		

1174..1443, 1539..1673

Seq. No.	37347	Seq. ID	OJ990318_08.9C23.C48
Gene No.	76653	Strand	+
Start	1180	End	1786
Name	OJ990318_08.9C23.C48.o1.ts	Method	TBLASTX:Soybean
Start	1163	End	1396
GI	none	Score	190
Exons	1163..1297, 1180..1299, 1181..1303, 1337..1396, 1339..1377		

Seq. No.	37347	Seq. ID	OJ990318_08.9C23.C48
Gene No.	76653	Strand	+
Start	1180	End	1786
Name	OJ990318_08.9C23.C48.o1.gs	Method	GENSCAN
Start	1180	End	1328
GI	none	Score	.41
Exons	1180..1328		

Seq. No.	37347	Seq. ID	OJ990318_08.9C23.C48
Gene No.	76653	Strand	+
Start	1180	End	1786
Name	OJ990318_08.9C23.C48.o1.np	Method	AAT/NAP
Start	1180	End	1786
GI	3757522	Score	312
Exons	1180..1393, 1554..1682, 1718..1786		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76654	Strand	+
Start	1	End	4977
Name	OJ990318_08.9C23.C49.o1.np	Method	AAT/NAP
Start	1	End	4734
GI	3757522	Score	652
Exons	1..41, 223..435, 596..724, 760..834, 937..1020, 1216..1293, 2706..2969, 3105..3193, 4495..4609, 4690..4734		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76654	Strand	+
Start	1	End	4977
Name	OJ990318_08.9C23.C49.o1.gs	Method	GENSCAN
Start	222	End	4778
GI	none	Score	.79
Exons	222..435, 937..1020, 1654..1718, 2750..2969, 3105..3193, 3661..3773, 3778..3933, 4022..4170, 4531..4609, 4690..4778		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76654	Strand	+
Start	1	End	4977
Name	OJ990318_08.9C23.C49.o1.gp	Method	AAT/GAP
Start	4571	End	4977
GI	3759173	Score	586
Exons	4571..4609, 4690..4977		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76655	Strand	-
Start	5139	End	14235

Name	OJ990318_08.9C23.C49.o2.gs	Method	GENSCAN
Start	5139	End	13820
GI	none	Score	.94
Exons	5139..5281, 5400..5528, 6083..6226, 6986..7111, 7445..7570, 7908..8000, 8087..8216, 8297..8422, 8526..8633, 8997..9176, 9323..9457, 9793..10005, 10659..10747, 10914..11063, 11149..11302, 11389..11610, 12304..12417, 12732..12896, 12990..13080, 13561..13729, 13754..13820		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76655	Strand	-
Start	5139	End	14235
Name	OJ990318_08.9C23.C49.o2.np	Method	AAT/NAP
Start	5151	End	14235
GI	5541717	Score	1891
Exons	5151..5281, 5400..5528, 6083..6226, 6986..7111, 7445..7570, 7908..8000, 8087..8192, 8270..8658, 8945..9176, 9323..9457, 9793..10005, 10659..10747, 10914..11059, 11145..11285, 11386..11610, 12232..12416, 12773..12896, 12990..13104, 13413..13495, 13961..14235		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o1.ts	Method	TBLASTX:Soybean
Start	205	End	438
GI	none	Score	190
Exons	205..339, 222..341, 223..345, 379..438, 381..419		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o3.tm	Method	TBLASTX:Maize
Start	210	End	3774
GI	none	Score	274
Exons	210..437, 214..438, 216..437, 581..715, 3661..3774		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o5.tm	Method	TBLASTX:Maize
Start	744	End	4722
GI	none	Score	92
Exons	744..836, 758..820, 759..833, 760..840, 936..1022, 1653..1724, 1654..1716, 2663..2695, 2789..2878, 2790..2879, 2797..2901, 2864..2914, 2886..2969, 2920..2979, 2928..2981, 3096..3191, 3098..3193, 3099..3194, 3112..3192, 4492..4608, 4492..4608, 4493..4609, 4690..4722		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o8.tm	Method	TBLASTX:Maize
Start	2280	End	2508
GI	none	Score	193
Exons	2280..2444, 2281..2445, 2306..2458, 2460..2507, 2461..2508		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o10.tm	Method	TBLASTX:Maize
Start	5136	End	5428
GI	none	Score	81
Exons	5136..5282, 5137..5283, 5138..5281, 5139..5282, 5401..5427, 5402..5428		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o4.ts	Method	TBLASTX:Soybean
Start	5142	End	6227
GI	none	Score	87
Exons	5142..5282, 5401..5529, 5408..5530, 6073..6198, 6081..6227		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o9.tm	Method	TBLASTX:Maize
Start	8061	End	8412
GI	none	Score	153
Exons	8061..8219, 8074..8217, 8326..8412, 8327..8401		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o4.tm	Method	TBLASTX:Maize
Start	9819	End	10745
GI	none	Score	38
Exons	9819..10004, 9820..10008, 9877..9927, 9923..10006, 10649..10714, 10659..10745, 10662..10739, 10663..10740		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o11.tm	Method	TBLASTX:Maize
Start	10954	End	11222
GI	none	Score	88
Exons	10954..11055, 10978..11064, 10979..11065, 11126..11215, 11145..11222, 11157..11216		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o2.ts	Method	TBLASTX:Soybean
Start	11386	End	11613
GI	none	Score	159
Exons	11386..11610, 11387..11611, 11395..11613		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o2.gp	Method	AAT/GAP
Start	15221	End	15700

GI	17795_1.R1084	Score	908
Exons	15221..15700		
GI Descrip.	'3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o1.tm	Method	TBLASTX:Maize
Start	15643	End	17679
GI	none	Score	95
Exons	15643..15669, 15706..15783, 16007..16123, 16020..16124, 16021..16125, 16349..16438, 16351..16440, 16351..16440, 16353..16442, 16395..16658, 16427..16639, 16447..16650, 16725..16898, 16734..16871, 16738..16872, 16738..16971, 16947..17162, 16957..17163, 16957..17163, 16958..17173, 17500..17679, 17501..17635		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o3.gs	Method	GENSCAN
Start	15710	End	20128
GI	none	Score	.89
Exons	15710..15780, 16021..16124, 16354..16655, 16737..16870, 16956..17161, 17501..17655, 17871..18019, 18185..18330, 18787..18967, 19017..19445, 19519..19596, 19841..20128		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o3.gp	Method	AAT/GAP
Start	16044	End	16772
GI	28299_1.R1084	Score	783
Exons	16044..16123, 16352..16655, 16737..16772		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o3.ts	Method	TBLASTX:Soybean
Start	16735	End	17658
GI	none	Score	101
Exons	16735..16872, 16737..16868, 16912..17013, 16958..16999, 17038..17163, 17123..17173, 17500..17658, 17501..17656		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o4.gp	Method	AAT/GAP
Start	16942	End	17654
GI	none	Score	668
Exons	16942..17161, 17501..17654		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49

Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o6.tm	Method	TBLASTX:Maize
Start	17736	End	17862
GI	none	Score	166
Exons	17736..17861, 17745..17849, 17746..17862		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o7.tm	Method	TBLASTX:Maize
Start	18249	End	18899
GI	none	Score	92
Exons	18249..18335, 18252..18335, 18253..18336, 18753..18899, 18755..18898		

Seq. No.	37348	Seq. ID	OJ990318_08.9C23.C49
Gene No.	76656	Strand	-
Start	15710	End	20128
Name	OJ990318_08.9C23.C49.o2.tm	Method	TBLASTX:Maize
Start	18932	End	19597
GI	none	Score	50
Exons	18932..18988, 18933..19001, 18934..19002, 18937..19005, 18939..19028, 18982..19116, 18982..19116, 19005..19130, 19011..19127, 19114..19167, 19228..19431, 19292..19429, 19294..19431, 19515..19595, 19520..19591, 19522..19596, 19523..19597		

Seq. No.	37349	Seq. ID	OJ990318_08.9C23.C50
Gene No.	76657	Strand	-
Start	732	End	961
Name	OJ990318_08.9C23.C50.o1.gp	Method	AAT/GAP
Start	732	End	961
GI	5005358	Score	392
Exons	732..961		

Seq. No.	37350	Seq. ID	OJ990318_08.9C23.C51
Gene No.	76658	Strand	-
Start	1	End	3429
Name	OJ990318_08.9C23.C51.o1.np	Method	AAT/NAP
Start	1	End	1694
GI	3402691	Score	149
Exons	1..39, 852..908, 1608..1694		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	37350	Seq. ID	OJ990318_08.9C23.C51
Gene No.	76658	Strand	-
Start	1	End	3429
Name	OJ990318_08.9C23.C51.o1.gs	Method	GENSCAN
Start	524	End	3353
GI	none	Score	.88
Exons	524..577, 852..908, 1608..1758, 2129..2177, 2263..2356, 2470..2536, 2653..2753, 3015..3094, 3224..3353		

Seq. No.	37350	Seq. ID	OJ990318_08.9C23.C51
Gene No.	76658	Strand	-
Start	1	End	3429

Name	OJ990318_08.9C23.C51.o1.tc	Method	TBLASTX:Cress
Start	1614	End	3074
GI	none	Score	90
Exons	1614..1757, 1642..1758, 2126..2179, 2128..2190, 2255..2356, 2256..2354, 2470..2517, 2652..2753, 2653..2754, 2654..2788, 2655..2756, 3015..3074		

Seq. No.	37350	Seq. ID	OJ990318_08.9C23.C51
Gene No.	76658	Strand	-
Start	1	End	3429
Name	OJ990318_08.9C23.C51.o2.np	Method	AAT/NAP
Start	2128	End	3429
GI	3402689	Score	488
Exons	2128..2177, 2263..2356, 2470..2536, 2653..2753, 3015..3094, 3224..3429		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	37351	Seq. ID	OJ990318_08.9C23.C52
Gene No.	76659	Strand	-
Start	138	End	687
Name	OJ990318_08.9C23.C52.o1.gs	Method	GENSCAN
Start	138	End	687
GI	none	Score	.81
Exons	138..687		

Seq. No.	37351	Seq. ID	OJ990318_08.9C23.C52
Gene No.	76659	Strand	-
Start	138	End	687
Name	OJ990318_08.9C23.C52.o1.np	Method	AAT/NAP
Start	138	End	675
GI	3402689	Score	192
Exons	138..675		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	37352	Seq. ID	OJ990318_08.9C23.C53
Gene No.	76660	Strand	+
Start	605	End	4953
Name	OJ990318_08.9C23.C53.o1.gs	Method	GENSCAN
Start	605	End	4953
GI	none	Score	.64
Exons	605..679, 717..1122, 1395..1495, 2738..2839, 4798..4953		

Seq. No.	37352	Seq. ID	OJ990318_08.9C23.C53
Gene No.	76661	Strand	-
Start	5865	End	9628
Name	OJ990318_08.9C23.C53.o1.tm	Method	TBLASTX:Maize
Start	2527	End	3447
GI	none	Score	172
Exons	2527..2664, 2546..2665, 2546..2665, 2735..2851, 2738..2842, 3229..3405, 3251..3445, 3268..3447, 3270..3446		

Seq. No.	37352	Seq. ID	OJ990318_08.9C23.C53
Gene No.	76661	Strand	-
Start	5865	End	9628
Name	OJ990318_08.9C23.C53.o2.gs	Method	GENSCAN
Start	5865	End	9223
GI	none	Score	.68

Exons	5865..5989, 7553..7720, 7818..7938, 7975..8337, 8607..8874, 8967..9223		
Seq. No.	37352	Seq. ID	OJ990318_08.9C23.C53
Gene No.	76661	Strand	-
Start	5865	End	9628
Name	OJ990318_08.9C23.C53.o1.np	Method	AAT/NAP
Start	7428	End	9628
GI	5441880	Score	186
Exons	7428..7672, 8081..8337, 8640..8860, 8959..9243, 9583..9628		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	37353	Seq. ID	OJ990318_08.9C23.C54
Gene No.	76662	Strand	-
Start	96	End	1597
Name	OJ990318_08.9C23.C54.o1.gs	Method	GENSCAN
Start	96	End	921
GI	none	Score	.62
Exons	96..346, 464..698, 889..921		
Seq. No.	37353	Seq. ID	OJ990318_08.9C23.C54
Gene No.	76662	Strand	-
Start	96	End	1597
Name	OJ990318_08.9C23.C54.o1.np	Method	AAT/NAP
Start	252	End	1597
GI	5441880	Score	478
Exons	252..548, 810..859, 1301..1597		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	37353	Seq. ID	OJ990318_08.9C23.C54
Gene No.	76662	Strand	-
Start	96	End	1597
Name	OJ990318_08.9C23.C54.o1.tw	Method	TBLASTX:Wheat
Start	1062	End	1449
GI	none	Score	66
Exons	1062..1259, 1139..1222, 1158..1247, 1204..1251, 1272..1448, 1299..1448, 1300..1449		
Seq. No.	37353	Seq. ID	OJ990318_08.9C23.C54
Gene No.	76662	Strand	-
Start	96	End	1597
Name	OJ990318_08.9C23.C54.o1.tm	Method	TBLASTX:Maize
Start	1158	End	1587
GI	none	Score	44
Exons	1158..1238, 1210..1236, 1278..1586, 1282..1587		
Seq. No.	37354	Seq. ID	OJ990318_08.9C23.C56
Gene No.	76663	Strand	-
Start	1	End	678
Name	OJ990318_08.9C23.C56.o1.np	Method	AAT/NAP
Start	1	End	678
GI	4335731	Score	243
Exons	1..374, 605..678		

GI Descrip. (AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	37354	Seq. ID	OJ990318_08.9C23.C56
Gene No.	76663	Strand	-
Start	1	End	678
Name	OJ990318_08.9C23.C56.o1.tm	Method	TBLASTX:Maize
Start	2	End	178
GI	none	Score	112
Exons	2..178, 3..125		

Seq. No.	37354	Seq. ID	OJ990318_08.9C23.C56
Gene No.	76663	Strand	-
Start	1	End	678
Name	OJ990318_08.9C23.C56.o1.gs	Method	GENSCAN
Start	18	End	571
GI	none	Score	.83
Exons	18..339, 359..485, 518..571		

Seq. No.	37355	Seq. ID	OJ990318_08.9C23.C57
Gene No.	76664	Strand	-
Start	1	End	880
Name	OJ990318_08.9C23.C57.o1.np	Method	AAT/NAP
Start	1	End	880
GI	6523547	Score	331
Exons	1..880		

GI Descrip. (AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]

Seq. No.	37355	Seq. ID	OJ990318_08.9C23.C57
Gene No.	76664	Strand	-
Start	1	End	880
Name	OJ990318_08.9C23.C57.o1.gs	Method	GENSCAN
Start	28	End	709
GI	none	Score	.76
Exons	28..383, 563..709		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76665	Strand	-
Start	54	End	201
Name	OJ990318_08.9C23.C58.o1.gs	Method	GENSCAN
Start	54	End	201
GI	none	Score	.99
Exons	54..201		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76666	Strand	-
Start	174	End	7544
Name	OJ990318_08.9C23.C58.o1.np	Method	AAT/NAP
Start	174	End	1902
GI	6635256	Score	162
Exons	174..203, 1496..1902		

GI Descrip. (AB036339) tRNA intron endonuclease [Arabidopsis thaliana] gi|6635258|dbj|BAA88628.1| (AB036340) tRNA intron endonuclease [Arabidopsis thaliana]

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58

Gene No.	76666	Strand	-
Start	174	End	7544
Name	OJ990318_08.9C23.C58.o2.gs	Method	GENSCAN
Start	433	End	4488
GI	none	Score	.67
Exons	433..551, 994..1033, 1426..1938, 2448..2887, 2976..3204, 3320..3485, 3605..3673, 4149..4295, 4409..4488		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76666	Strand	-
Start	174	End	7544
Name	OJ990318_08.9C23.C58.o2.np	Method	AAT/NAP
Start	2355	End	7482
GI	3426064	Score	825
Exons	2355..2898, 2993..3204, 3320..3482, 7108..7319, 7403..7482		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76666	Strand	-
Start	174	End	7544
Name	OJ990318_08.9C23.C58.o1.gp	Method	AAT/GAP
Start	3022	End	4558
GI	4715556	Score	1291
Exons	3022..3204, 3320..3485, 3605..3673, 4149..4295, 4409..4558		
GI Descrip.	3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76666	Strand	-
Start	174	End	7544
Name	OJ990318_08.9C23.C58.o3.gs	Method	GENSCAN
Start	5205	End	7488
GI	none	Score	.92
Exons	5205..5758, 5865..6093, 6170..6335, 6418..6486, 7173..7319, 7403..7488		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76666	Strand	-
Start	174	End	7544
Name	OJ990318_08.9C23.C58.o2.gp	Method	AAT/GAP
Start	5297	End	5653
GI	71705_1.R1084	Score	673
Exons	5297..5653		
GI Descrip.	'3426064/emb|CAA07575.1| 1.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76666	Strand	-
Start	174	End	7544
Name	OJ990318_08.9C23.C58.o3.gp	Method	AAT/GAP
Start	6196	End	7544
GI	25992_1.R1084	Score	899
Exons	6196..6335, 6418..6486, 7173..7319, 7403..7544		

GI Descrip. '3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]'

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o1.tm	Method	TBLASTX:Maize
Start	1495	End	1955
GI	none	Score	262
Exons	1495..1911, 1496..1912, 1763..1915, 1776..1955, 1777..1917		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o2.tm	Method	TBLASTX:Maize
Start	2353	End	9425
GI	none	Score	211
Exons	2353..2553, 2358..2552, 2508..2624, 2517..2675, 2524..2625, 2625..2753, 2665..2751, 2754..2783, 5226..5423, 5227..5364, 5229..5423, 5457..5546, 5469..5495, 5499..5624, 5500..5628, 9033..9245, 9043..9198, 9051..9233, 9300..9425, 9300..9392		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o1.tc	Method	TBLASTX:Cress
Start	2361	End	9392
GI	none	Score	80
Exons	2361..2570, 2416..2535, 2586..2819, 2596..2769, 2995..3222, 3005..3205, 3317..3487, 3318..3476, 3341..3478, 4163..4297, 4188..4298, 5226..5435, 5427..5693, 5485..5619, 5713..5787, 5884..6096, 5885..6106, 6167..6328, 7145..7321, 7212..7322, 9042..9239, 9046..9195, 9294..9392		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o2.ts	Method	TBLASTX:Soybean
Start	2361	End	9392
GI	none	Score	75
Exons	2361..2471, 2571..2792, 2665..2763, 5223..5336, 5430..5663, 5482..5664, 9042..9149, 9294..9392		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o1.ts	Method	TBLASTX:Soybean
Start	2983	End	6211
GI	none	Score	170
Exons	2983..3222, 2987..3205, 3317..3361, 5872..6096, 5885..5977, 5996..6100, 6167..6211		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o4.tm	Method	TBLASTX:Maize

Start	3004	End	6096
GI	none	Score	152
Exons	3004..3207, 3005..3205, 3034..3207, 3087..3245, 5886..6011, 5888..6094, 5890..6096		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o1.tw	Method	TBLASTX:Wheat
Start	3140	End	6340
GI	none	Score	91
Exons	3140..3205, 3141..3191, 3142..3207, 3142..3204, 3312..3488, 3317..3487, 6031..6093, 6032..6094, 6167..6340, 6168..6338		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o2.tw	Method	TBLASTX:Wheat
Start	3594	End	7461
GI	none	Score	55
Exons	3594..3674, 3605..3676, 3607..3666, 3614..3676, 4134..4232, 4148..4297, 4185..4298, 4270..4302, 7139..7321, 7197..7322, 7206..7322, 7402..7461		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o3.tm	Method	TBLASTX:Maize
Start	4132	End	7461
GI	none	Score	87
Exons	4132..4218, 4133..4210, 4136..4297, 4137..4298, 4270..4317, 7154..7321, 7172..7321, 7200..7355, 7206..7322, 7402..7461		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o3.np	Method	AAT/NAP
Start	9036	End	9677
GI	3426064	Score	375
Exons	9036..9677		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	37356	Seq. ID	OJ990318_08.9C23.C58
Gene No.	76667	Strand	-
Start	9039	End	9677
Name	OJ990318_08.9C23.C58.o4.gs	Method	GENSCAN
Start	9039	End	9565
GI	none	Score	.84
Exons	9039..9565		

Seq. No.	37357	Seq. ID	OJ990318_08.9C23.C59
Gene No.	76668	Strand	+
Start	121	End	204
Name	OJ990318_08.9C23.C59.o1.gs	Method	GENSCAN
Start	121	End	204

GI	none	Score	.62
Exons	121..204		

Seq. No.	37358	Seq. ID	OJ990318_08.9C23.C60
Gene No.	76669	Strand	-
Start	1	End	691
Name	OJ990318_08.9C23.C60.o1.np	Method	AAT/NAP
Start	1	End	691
GI	5803221	Score	267
Exons	1..98, 172..691		
GI Descrip.	WD repeat domain 3 gi|5639663|gb|AAD45865.1|AF083217_1 (AF083217) WD repeat protein WDR3 [Homo sapiens]		

Seq. No.	37358	Seq. ID	OJ990318_08.9C23.C60
Gene No.	76669	Strand	-
Start	1	End	691
Name	OJ990318_08.9C23.C60.o2.tm	Method	TBLASTX:Maize
Start	170	End	290
GI	none	Score	166
Exons	170..289, 174..290		

Seq. No.	37358	Seq. ID	OJ990318_08.9C23.C60
Gene No.	76669	Strand	-
Start	1	End	691
Name	OJ990318_08.9C23.C60.o1.gs	Method	GENSCAN
Start	176	End	619
GI	none	Score	.6
Exons	176..619		

Seq. No.	37358	Seq. ID	OJ990318_08.9C23.C60
Gene No.	76669	Strand	-
Start	1	End	691
Name	OJ990318_08.9C23.C60.o1.tc	Method	TBLASTX:Cress
Start	326	End	691
GI	none	Score	192
Exons	326..691, 366..671		

Seq. No.	37358	Seq. ID	OJ990318_08.9C23.C60
Gene No.	76669	Strand	-
Start	1	End	691
Name	OJ990318_08.9C23.C60.o1.ts	Method	TBLASTX:Soybean
Start	330	End	581
GI	none	Score	149
Exons	330..569, 332..568, 332..571, 363..581		

Seq. No.	37358	Seq. ID	OJ990318_08.9C23.C60
Gene No.	76669	Strand	-
Start	1	End	691
Name	OJ990318_08.9C23.C60.o1.tm	Method	TBLASTX:Maize
Start	458	End	691
GI	none	Score	251
Exons	458..691, 459..683, 460..684, 605..691		

Seq. No.	37359	Seq. ID	OJ990318_08.9C23.C61
Gene No.	76670	Strand	+
Start	67	End	122
Name	OJ990318_08.9C23.C61.o1.gs	Method	GENSCAN

Start	67	End	122
GI	none	Score	.62
Exons	67..122		

Seq. No.	37360	Seq. ID	OJ990318_08.9C23.C62
Gene No.	76671	Strand	+
Start	1	End	833
Name	OJ990318_08.9C23.C62.o1.np	Method	AAT/NAP
Start	1	End	833
GI	3426064	Score	64
Exons	1..194, 782..833		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	37360	Seq. ID	OJ990318_08.9C23.C62
Gene No.	76672	Strand	-
Start	2	End	116
Name	OJ990318_08.9C23.C62.o1.gs	Method	GENSCAN
Start	2	End	116
GI	none	Score	.59
Exons	2..116		

Seq. No.	37361	Seq. ID	OJ990318_08.9C23.C63
Gene No.	76673	Strand	+
Start	1	End	528
Name	OJ990318_08.9C23.C63.o1.np	Method	AAT/NAP
Start	1	End	285
GI	3757522	Score	134
Exons	1..160, 241..285		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	37361	Seq. ID	OJ990318_08.9C23.C63
Gene No.	76673	Strand	+
Start	1	End	528
Name	OJ990318_08.9C23.C63.o1.tm	Method	TBLASTX:Maize
Start	34	End	284
GI	none	Score	184
Exons	34..159, 44..160, 241..282, 243..284		

Seq. No.	37361	Seq. ID	OJ990318_08.9C23.C63
Gene No.	76673	Strand	+
Start	1	End	528
Name	OJ990318_08.9C23.C63.o1.gs	Method	GENSCAN
Start	82	End	329
GI	none	Score	.65
Exons	82..160, 241..329		

Seq. No.	37361	Seq. ID	OJ990318_08.9C23.C63
Gene No.	76673	Strand	+
Start	1	End	528
Name	OJ990318_08.9C23.C63.o1.gp	Method	AAT/GAP
Start	122	End	528
GI	3759173	Score	586
Exons	122..160, 241..528		

Seq. No.	37362	Seq. ID	OJ990318_08.9C23.C64

Gene No.	76674	Strand	+
Start	1	End	693
Name	OJ990318_08.9C23.C64.o1.np	Method	AAT/NAP
Start	1	End	693
GI	3757522	Score	117
Exons	1..83, 293..490, 627..693		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	37362	Seq. ID	OJ990318_08.9C23.C64
Gene No.	76675	Strand	-
Start	250	End	490
Name	OJ990318_08.9C23.C64.o1.gs	Method	GENSCAN
Start	250	End	429
GI	none	Score	.93
Exons	250..429		

Seq. No.	37362	Seq. ID	OJ990318_08.9C23.C64
Gene No.	76675	Strand	-
Start	250	End	490
Name	OJ990318_08.9C23.C64.o1.tm	Method	TBLASTX:Maize
Start	299	End	490
GI	none	Score	177
Exons	299..490, 340..384, 394..489		

Seq. No.	37363	Seq. ID	OJ990318_08.9C23.C65
Gene No.	76676	Strand	+
Start	313	End	426
Name	OJ990318_08.9C23.C65.o1.tm	Method	TBLASTX:Maize
Start	102	End	426
GI	none	Score	172
Exons	102..239, 121..240, 121..240, 310..426, 313..417		

Seq. No.	37363	Seq. ID	OJ990318_08.9C23.C65
Gene No.	76676	Strand	+
Start	313	End	426
Name	OJ990318_08.9C23.C65.o1.gs	Method	GENSCAN
Start	313	End	414
GI	none	Score	.63
Exons	313..414		

Seq. No.	37364	Seq. ID	OJ990318_08.9C23.C66
Gene No.	76677	Strand	+
Start	970	End	1248
Name	OJ990318_08.9C23.C66.o1.np	Method	AAT/NAP
Start	970	End	1248
GI	3757522	Score	157
Exons	970..1248		
GI Descrip.	(AC005167) putative splicing factor [Arabidopsis thaliana]		

Seq. No.	37364	Seq. ID	OJ990318_08.9C23.C66
Gene No.	76678	Strand	-
Start	990	End	1148
Name	OJ990318_08.9C23.C66.o1.gs	Method	GENSCAN
Start	990	End	1148
GI	none	Score	.95
Exons	990..1148		

Seq. No.	37365	Seq. ID	OJ990318_08.9C23.C67
Gene No.	76679	Strand	+
Start	1	End	148
Name	OJ990318_08.9C23.C67.o1.np	Method	AAT/NAP
Start	1	End	148
GI	6006359	Score	78
Exons	1..148		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76680	Strand	+
Start	1	End	4516
Name	OJ990318_08.9C23.C68.o1.np	Method	AAT/NAP
Start	1	End	4516
GI	4206306	Score	1610
Exons	1..1832, 4441..4516		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76680	Strand	+
Start	1	End	4516
Name	OJ990318_08.9C23.C68.o1.gs	Method	GENSCAN
Start	127	End	1854
GI	none	Score	.58
Exons	127..663, 867..1053, 1295..1854		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76681	Strand	-
Start	2095	End	5056
Name	OJ990318_08.9C23.C68.o4.tw	Method	TBLASTX:Wheat
Start	28	End	249
GI	none	Score	193
Exons	28..249		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76681	Strand	-
Start	2095	End	5056
Name	OJ990318_08.9C23.C68.o1.tw	Method	TBLASTX:Wheat
Start	472	End	911
GI	none	Score	175
Exons	472..708, 705..911, 710..910		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76681	Strand	-
Start	2095	End	5056
Name	OJ990318_08.9C23.C68.o1.tm	Method	TBLASTX:Maize
Start	651	End	941
GI	none	Score	69
Exons	651..707, 652..708, 701..940, 702..941, 705..941		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76681	Strand	-
Start	2095	End	5056
Name	OJ990318_08.9C23.C68.o2.tm	Method	TBLASTX:Maize
Start	969	End	1329
GI	none	Score	241
Exons	969..1208, 1010..1201, 1212..1319, 1212..1316, 1213..1329		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76681	Strand	-
Start	2095	End	5056
Name	OJ990318_08.9C23.C68.o2.tw	Method	TBLASTX:Wheat
Start	1026	End	1425
GI	none	Score	200
Exons	1026..1208, 1031..1201, 1213..1425, 1218..1316		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76681	Strand	-
Start	2095	End	5056
Name	OJ990318_08.9C23.C68.o1.ts	Method	TBLASTX:Soybean
Start	1104	End	1437
GI	none	Score	126
Exons	1104..1199, 1109..1201, 1186..1437		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76681	Strand	-
Start	2095	End	5056
Name	OJ990318_08.9C23.C68.o3.tw	Method	TBLASTX:Wheat
Start	1500	End	1740
GI	none	Score	216
Exons	1500..1643, 1507..1740		

Seq. No.	37366	Seq. ID	OJ990318_08.9C23.C68
Gene No.	76681	Strand	-
Start	2095	End	5056
Name	OJ990318_08.9C23.C68.o2.gs	Method	GENSCAN
Start	2095	End	5056
GI	none	Score	.67
Exons	2095..2816, 2929..3267, 4274..4382, 4954..5056		

Seq. No.	37367	Seq. ID	OJ990318_08.9C23.C69
Gene No.	76682	Strand	-
Start	21	End	1073
Name	OJ990318_08.9C23.C69.o1.gs	Method	GENSCAN
Start	21	End	984
GI	none	Score	.86
Exons	21..116, 422..554, 640..756, 850..984		

Seq. No.	37367	Seq. ID	OJ990318_08.9C23.C69
Gene No.	76682	Strand	-
Start	21	End	1073
Name	OJ990318_08.9C23.C69.o1.np	Method	AAT/NAP
Start	377	End	1073
GI	6523547	Score	159
Exons	377..1073		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	37368	Seq. ID	OJ990318_08.9C23.C73
Gene No.	76683	Strand	-
Start	29	End	101
Name	OJ990318_08.9C23.C73.o1.gs	Method	GENSCAN
Start	29	End	101
GI	none	Score	.47

Exons	29..101		
Seq. No.	37369	Seq. ID	OJ990318_08.9C23.C74
Gene No.	76684	Strand	-
Start	83	End	559
Name	OJ990318_08.9C23.C74.o1.tm	Method	TBLASTX:Maize
Start	82	End	517
GI	none	Score	59
Exons	82..150, 83..145, 225..311, 235..282, 236..382, 243..383, 356..400, 473..517		
Seq. No.	37369	Seq. ID	OJ990318_08.9C23.C74
Gene No.	76684	Strand	-
Start	83	End	559
Name	OJ990318_08.9C23.C74.o1.gs	Method	GENSCAN
Start	83	End	559
GI	none	Score	.78
Exons	83..151, 300..414, 474..559		
Seq. No.	37369	Seq. ID	OJ990318_08.9C23.C74
Gene No.	76684	Strand	-
Start	83	End	559
Name	OJ990318_08.9C23.C74.o1.tw	Method	TBLASTX:Wheat
Start	85	End	517
GI	none	Score	49
Exons	85..162, 89..154, 209..382, 258..383, 473..517		
Seq. No.	37369	Seq. ID	OJ990318_08.9C23.C74
Gene No.	76684	Strand	-
Start	83	End	559
Name	OJ990318_08.9C23.C74.o1.np	Method	AAT/NAP
Start	230	End	553
GI	3426064	Score	161
Exons	230..380, 474..553		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		
Seq. No.	37370	Seq. ID	OJ990318_08.9C23.C75
Gene No.	76685	Strand	-
Start	1	End	574
Name	OJ990318_08.9C23.C75.o1.np	Method	AAT/NAP
Start	1	End	574
GI	1663724	Score	95
Exons	1..103, 226..338, 477..574		
GI Descrip.	(U50846) 4-coumarate:coenzyme A ligase [Nicotiana tabacum]		
Seq. No.	37370	Seq. ID	OJ990318_08.9C23.C75
Gene No.	76685	Strand	-
Start	1	End	574
Name	OJ990318_08.9C23.C75.o1.gp	Method	AAT/GAP
Start	228	End	545
GI	2769_1.R1084	Score	285
Exons	228..338, 477..545		
GI Descrip.	'1663724 3.0e-26 (U50846) 4-coumarate:coenzyme A ligase [Nicotiana tabacum]'		

Seq. No.	37370	Seq. ID	OJ990318_08.9C23.C75
Gene No.	76685	Strand	-
Start	1	End	574
Name	OJ990318_08.9C23.C75.o1.gs	Method	GENSCAN
Start	236	End	544
GI	none	Score	.99
Exons	236..338, 477..544		

Seq. No.	37371	Seq. ID	OJ990318_08.9C23.C77
Gene No.	76686	Strand	+
Start	587	End	700
Name	OJ990318_08.9C23.C77.o1.tm	Method	TBLASTX:Maize
Start	397	End	700
GI	none	Score	144
Exons	397..513, 397..513, 425..514, 425..514, 584..700, 587..691		

Seq. No.	37371	Seq. ID	OJ990318_08.9C23.C77
Gene No.	76686	Strand	+
Start	587	End	700
Name	OJ990318_08.9C23.C77.o1.gs	Method	GENSCAN
Start	587	End	688
GI	none	Score	.63
Exons	587..688		

Seq. No.	37372	Seq. ID	OJ990318_08.9C23.C80
Gene No.	76687	Strand	-
Start	823	End	1407
Name	OJ990318_08.9C23.C80.o1.gs	Method	GENSCAN
Start	823	End	1407
GI	none	Score	.73
Exons	823..1407		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76688	Strand	+
Start	3465	End	6600
Name	OJ990318_08.9C23.C81.o2.np	Method	AAT/NAP
Start	3465	End	6600
GI	2982456	Score	182
Exons	3465..3508, 4800..5137, 6534..6600		
GI Descrip.	(AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76688	Strand	+
Start	3465	End	6600
Name	OJ990318_08.9C23.C81.o1.gp	Method	AAT/GAP
Start	5025	End	5496
GI	5004678	Score	868
Exons	5025..5496		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76689	Strand	+
Start	10038	End	12557
Name	OJ990318_08.9C23.C81.o5.np	Method	AAT/NAP
Start	10038	End	12557
GI	4263654	Score	160
Exons	10038..10130, 12260..12557		
GI Descrip.	(AC006136) putative retroelement pol polyprotein [Arabidopsis		

thaliana]

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76689	Strand	+
Start	10038	End	12557
Name	OJ990318_08.9C23.C81.o4.gs	Method	GENSCAN
Start	10772	End	12454
GI	none	Score	.69
Exons	10772..12454		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76689	Strand	+
Start	10038	End	12557
Name	OJ990318_08.9C23.C81.o4.np	Method	AAT/NAP
Start	10775	End	12322
GI	6957519	Score	689
Exons	10775..11368, 11435..11569, 11612..11791, 11850..12322		
GI Descrip.	(AC022288) putative gag-pol polyprotein [Arabidopsis thaliana]		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76690	Strand	-
Start	265	End	3310
Name	OJ990318_08.9C23.C81.o1.np	Method	AAT/NAP
Start	262	End	3289
GI	3426064	Score	793
Exons	262..782, 875..1103, 1181..1406, 2853..2999, 3210..3289		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76690	Strand	-
Start	265	End	3310
Name	OJ990318_08.9C23.C81.o1.gs	Method	GENSCAN
Start	265	End	3310
GI	none	Score	.81
Exons	265..782, 875..1103, 1181..1379, 1435..1503, 2853..2999, 3210..3310		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o2.tm	Method	TBLASTX:Maize
Start	259	End	9964
GI	none	Score	115
Exons	259..579, 269..442, 277..459, 529..624, 529..621, 9599..9919, 9609..9782, 9617..9799, 9869..9964, 9869..9961		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o1.tc	Method	TBLASTX:Cress
Start	268	End	9961
GI	none	Score	69
Exons	268..465, 272..439, 442..621, 566..622, 879..1112, 895..1110, 1178..1336, 2855..3001, 2892..3002, 3201..3281, 9608..9805, 9782..9961		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o3.ts	Method	TBLASTX:Soybean
Start	268	End	9961
GI	none	Score	69
Exons	268..354, 448..621, 563..697, 9608..9694, 9788..9961		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o1.ts	Method	TBLASTX:Soybean
Start	882	End	10267
GI	none	Score	111
Exons	882..1112, 886..987, 891..1106, 1006..1110, 1178..1222, 10211..10267		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o3.tm	Method	TBLASTX:Maize
Start	898	End	10276
GI	none	Score	143
Exons	898..1104, 900..1133, 10229..10276		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o1.tw	Method	TBLASTX:Wheat
Start	1041	End	1349
GI	none	Score	71
Exons	1041..1112, 1042..1143, 1178..1345, 1179..1349		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o7.tm	Method	TBLASTX:Maize
Start	1232	End	3275
GI	none	Score	147
Exons	1232..1345, 1260..1349, 2864..3001, 2880..3002, 3210..3275		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o4.tw	Method	TBLASTX:Wheat
Start	1437	End	3263
GI	none	Score	151
Exons	1437..1511, 2864..3001, 2877..3002, 3210..3263		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o2.ts	Method	TBLASTX:Soybean
Start	4813	End	5121
GI	none	Score	83
Exons	4813..4890, 4818..4889, 4819..4890, 4914..5093, 4918..5121,		

4918..5115

Seq. No.	37373	Seq. ID	OJ990318_08.9C23:C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o4.tm	Method	TBLASTX:Maize
Start	4962	End	5144
GI	none	Score	206
Exons	4962..5144, 4963..5121		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o3.np	Method	AAT/NAP
Start	9602	End	10267
GI	3426064	Score	364
Exons	9602..10122, 10204..10267		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76691	Strand	-
Start	9605	End	10428
Name	OJ990318_08.9C23.C81.o3.gs	Method	GENSCAN
Start	9605	End	10428
GI	none	Score	.97
Exons	9605..10122, 10204..10339, 10393..10428		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76692	Strand	
Start	10674	End	11455
Name	OJ990318_08.9C23.C81.o6.tm	Method	TBLASTX:Maize
Start	10674	End	11052
GI	none	Score	47
Exons	10674..10784, 10716..10742, 10814..11050, 10840..11052		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76692	Strand	
Start	10674	End	11455
Name	OJ990318_08.9C23.C81.o2.tw	Method	TBLASTX:Wheat
Start	10946	End	11341
GI	none	Score	235
Exons	10946..11341, 11048..11284		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76692	Strand	
Start	10674	End	11455
Name	OJ990318_08.9C23.C81.o1.tm	Method	TBLASTX:Maize
Start	11066	End	11455
GI	none	Score	200
Exons	11066..11269, 11071..11265, 11281..11337, 11282..11392, 11372..11455		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76693	Strand	
Start	11872	End	12322

Name	OJ990318_08.9C23.C81.o5.tm	Method	TBLASTX:Maize
Start	11872	End	12283
GI	none	Score	188
Exons	11872..12048, 11873..12091, 12152..12283		

Seq. No.	37373	Seq. ID	OJ990318_08.9C23.C81
Gene No.	76693	Strand	
Start	11872	End	12322
Name	OJ990318_08.9C23.C81.o3.tw	Method	TBLASTX:Wheat
Start	11893	End	12322
GI	none	Score	169
Exons	11893..12096, 11894..12139, 12155..12262, 12263..12322		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76694	Strand	+
Start	1	End	1531
Name	OJ990318_08.9C23.C82.o1.np	Method	AAT/NAP
Start	1	End	1531
GI	5295971	Score	1477
Exons	1..1531		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94. (X13777). [Oryza sativa]		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76694	Strand	+
Start	1	End	1531
Name	OJ990318_08.9C23.C82.o1.gs	Method	GENSCAN
Start	44	End	1525
GI	none	Score	.52
Exons	44..1525		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o2.tm	Method	TBLASTX:Maize
Start	14	End	328
GI	none	Score	318
Exons	14..328, 32..313		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o2.ts	Method	TBLASTX:Soybean
Start	20	End	484
GI	5509260	Score	358
Exons	20..484, 61..234, 319..456		
GI Descrip.	-		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o2.tc	Method	TBLASTX:Cress
Start	103	End	367
GI	none	Score	224
Exons	103..234, 104..367		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o1.tw	Method	TBLASTX:Wheat
Start	148	End	703
GI	none	Score	253
Exons	148..234, 149..493, 149..496, 479..703		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o3.tm	Method	TBLASTX:Maize
Start	530	End	793
GI	none	Score	245
Exons	530..793, 530..772, 532..792		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o1.tm	Method	TBLASTX:Maize
Start	797	End	1249
GI	none	Score	425
Exons	797..1249, 832..1176, 1049..1228		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o1.tc	Method	TBLASTX:Cress
Start	835	End	1498
GI	none	Score	274
Exons	835..1104, 836..1129, 1133..1249, 1247..1498, 1289..1441, 1300..1446		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o1.ts	Method	TBLASTX:Soybean
Start	857	End	1507
GI	none	Score	151
Exons	857..1018, 886..1023, 1031..1507, 1318..1446		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o2.tw	Method	TBLASTX:Wheat
Start	1025	End	1468
GI	none	Score	146
Exons	1025..1252, 1274..1468, 1300..1467		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o5.tm	Method	TBLASTX:Maize
Start	1255	End	1474
GI	none	Score	186
Exons	1255..1446, 1256..1474		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o2.gs	Method	GENSCAN
Start	1984	End	2169
GI	none	Score	.86
Exons	1984..2169		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o3.ts	Method	TBLASTX:Soybean
Start	1996	End	2172
GI	none	Score	60
Exons	1996..2172, 1997..2047, 2066..2164		

Seq. No.	37374	Seq. ID	OJ990318_08.9C23.C82
Gene No.	76695	Strand	-
Start	1984	End	2172
Name	OJ990318_08.9C23.C82.o4.tm	Method	TBLASTX:Maize
Start	1996	End	2172
GI	none	Score	111
Exons	1996..2172, 1997..2164		

Seq. No.	37375	Seq. ID	OJ990318_08.9C23.C84
Gene No.	76696	Strand	-
Start	310	End	409
Name	OJ990318_08.9C23.C84.o1.gs	Method	GENSCAN
Start	310	End	409
GI	none	Score	.86
Exons	310..409		

Seq. No.	37375	Seq. ID	OJ990318_08.9C23.C84
Gene No.	76697	Strand	-
Start	622	End	683
Name	OJ990318_08.9C23.C84.o1.gp	Method	AAT/GAP
Start	622	End	683
GI	LIB3431-004-P1-K1-G12	Score	80
Exons	622..683		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	37376	Seq. ID	OJ990318_08.9C23.C85
Gene No.	76698	Strand	+
Start	83	End	2164
Name	OJ990318_08.9C23.C85.o1.gs	Method	GENSCAN
Start	83	End	2164
GI	none	Score	.86
Exons	83..176, 282..472, 686..871, 1005..1267, 1380..1458, 1581..2164		

Seq. No.	37376	Seq. ID	OJ990318_08.9C23.C85
Gene No.	76698	Strand	+
Start	83	End	2164
Name	OJ990318_08.9C23.C85.o1.gp	Method	AAT/GAP
Start	698	End	1066
GI	5038563	Score	729
Exons	698..1066		

Seq. No.	37376	Seq. ID	OJ990318_08.9C23.C85
Gene No.	76698	Strand	+
Start	83	End	2164
Name	OJ990318_08.9C23.C85.o1.tm	Method	TBLASTX:Maize
Start	793	End	1687
GI	none	Score	65
Exons	793..873, 1380..1460, 1383..1457, 1562..1687, 1563..1679, 1574..1687		

Seq. No.	37376	Seq. ID	OJ990318_08.9C23.C85
Gene No.	76698	Strand	+
Start	83	End	2164
Name	OJ990318_08.9C23.C85.o1.np	Method	AAT/NAP
Start	1136	End	2161
GI	4097571	Score	282
Exons	1136..1177, 1380..1458, 1581..1899, 1943..2161		
GI Descrip.	(U64916) GMFP5 [Glycine max]		

Seq. No.	37377	Seq. ID	OJ990318_08.9C23.C86
Gene No.	76699	Strand	-
Start	372	End	670
Name	OJ990318_08.9C23.C86.o1.gs	Method	GENSCAN
Start	372	End	670
GI	none	Score	.5
Exons	372..558, 612..670		

Seq. No.	37378	Seq. ID	OJ990318_08.9C23.C88
Gene No.	76700	Strand	+
Start	1	End	1013
Name	OJ990318_08.9C23.C88.o1.gp	Method	AAT/GAP
Start	1	End	959
GI	148_1.R1084	Score	532
Exons	1..25, 222..327, 696..785, 870..959		
GI Descrip.	'5931625/dbj|BAA84717.1| 1.0e-106 (AB032761) rab5B [Oryza sativa]'		

Seq. No.	37378	Seq. ID	OJ990318_08.9C23.C88
Gene No.	76700	Strand	+
Start	1	End	1013
Name	OJ990318_08.9C23.C88.o1.np	Method	AAT/NAP
Start	1	End	992
GI	5931625	Score	417
Exons	1..25, 222..327, 696..785, 870..992		
GI Descrip.	(AB032761) rab5B [Oryza sativa]		

Seq. No.	37378	Seq. ID	OJ990318_08.9C23.C88
Gene No.	76700	Strand	+
Start	1	End	1013
Name	OJ990318_08.9C23.C88.o1.tc	Method	TBLASTX:Cress
Start	3	End	958
GI	none	Score	55
Exons	3..32, 220..327, 279..329, 690..785, 693..791, 694..792, 867..956, 869..958		

Seq. No.	37378	Seq. ID	OJ990318_08.9C23.C88
Gene No.	76700	Strand	+

Start	1	End	1013
Name	OJ990318_08.9C23.C88.o1.ts	Method	TBLASTX:Soybean
Start	220	End	965
GI	none	Score	153
Exons	220..327, 279..329, 690..785, 694..795, 695..775, 826..957, 864..956, 866..958, 900..965		

Seq. No.	37378	Seq. ID	OJ990318_08.9C23.C88
Gene No.	76700	Strand	+
Start	1	End	1013
Name	OJ990318_08.9C23.C88.o1.gs	Method	GENSCAN
Start	252	End	1013
GI	none	Score	.73
Exons	252..327, 696..785, 870..1013		

Seq. No.	37378	Seq. ID	OJ990318_08.9C23.C88
Gene No.	76700	Strand	+
Start	1	End	1013
Name	OJ990318_08.9C23.C88.o1.tm	Method	TBLASTX:Maize
Start	277	End	958
GI	none	Score	61
Exons	277..312, 662..781, 669..785, 678..785, 695..787, 865..957, 867..956, 868..957, 869..958		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76701	Strand	+
Start	1	End	5977
Name	OJ990318_08.9C23.C89.o1.np	Method	AAT/NAP
Start	1	End	1069
GI	5931625	Score	269
Exons	1..168, 253..339, 1034..1069		
GI Descrip.	(AB032761) rab5B [Oryza sativa]		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76701	Strand	+
Start	1	End	5977
Name	OJ990318_08.9C23.C89.o1.gp	Method	AAT/GAP
Start	74	End	1334
GI	148_1.R1084	Score	856
Exons	74..168, 253..339, 1034..1334		
GI Descrip.	'5931625/dbj|BAA84717.1| 1.0e-106 (AB032761) rab5B [Oryza sativa]'		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76701	Strand	+
Start	1	End	5977
Name	OJ990318_08.9C23.C89.o1.gs	Method	GENSCAN
Start	79	End	5839
GI	none	Score	.89
Exons	79..168, 253..339, 591..648, 1489..1741, 2096..2258, 2851..3079, 3414..4180, 4266..4487, 4580..4651, 4723..5004, 5088..5447, 5543..5839		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76701	Strand	+
Start	1	End	5977
Name	OJ990318_08.9C23.C89.o2.gp	Method	AAT/GAP

Start	1820	End	3053
GI	24991_1.R1084	Score	986
Exons	1820..1972, 2096..2258, 2851..3053		
GI Descrip.	'1705678/sp|P54774|CC48_SOYBN 7.0e-61 CELL DIVISION CYCLE PROTEIN 48 HOMOLOG (VALOSIN CONTAINING PROTEIN HOMOLOG) (VCP) >gi_862480 (U20213) valosin-containing protein [Glycine max]'		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76701	Strand	+
Start	1	End	5977
Name	OJ990318_08.9C23.C89.o2.np	Method	AAT/NAP
Start	1935	End	5836
GI	6630743	Score	3542
Exons	1935..1972, 2102..2258, 2851..3079, 3414..4180, 4266..4487, 4580..4651, 4723..5004, 5088..5447, 5543..5836		
GI Descrip.	(AL132958) CDC48-like protein [Arabidopsis thaliana]		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76701	Strand	+
Start	1	End	5977
Name	OJ990318_08.9C23.C89.o3.gp	Method	AAT/GAP
Start	4004	End	5334
GI	11986_1.R1084	Score	1852
Exons	4004..4180, 4266..4487, 4580..4651, 4723..5004, 5088..5334		
GI Descrip.	'1705678/sp|P54774|CC48_SOYBN 1.0e-176 CELL DIVISION CYCLE PROTEIN 48 HOMOLOG (VALOSIN CONTAINING PROTEIN HOMOLOG) (VCP) >gi_862480 (U20213) valosin-containing protein [Glycine max]'		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76701	Strand	+
Start	1	End	5977
Name	OJ990318_08.9C23.C89.o4.gp	Method	AAT/GAP
Start	5345	End	5599
GI	uC-osflcyp092g03b1	Score	199
Exons	5345..5447, 5543..5599		
GI Descrip.	'5803221/ref|NP_006775.1|pWDR3| 6.0e-50 WD repeat domain 3 >gi_5639663_gb_AAD45865.1_AF083217_1 (AF083217) WD repeat protein WDR3 [Homo sapiens]'		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76701	Strand	+
Start	1	End	5977
Name	OJ990318_08.9C23.C89.o5.gp	Method	AAT/GAP
Start	5591	End	5977
GI	5038606	Score	718
Exons	5591..5977		
GI Descrip.	1705677/sp|P54609|CC48_ARATH 9.0e-20 CELL DIVISION CYCLE PROTEIN 48 HOMOLOG >gi_2118115_pir__S60112 cell division control protein CDC48 homolog - Arabidopsis thaliana >gi_1019904 (U37587) cell division cycle protein [Arabidopsis thaliana]		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o4.tm	Method	TBLASTX:Maize
Start	45	End	1113
GI	none	Score	151

Exons	45..164, 52..168, 61..168, 78..170, 248..340, 250..339, 252..341, 1025..1072, 1031..1087, 1032..1091, 1033..1113		
Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o3.tc	Method	TBLASTX:Cress
Start	73	End	341
GI	none	Score	127
Exons	73..168, 76..174, 77..175, 250..339, 252..341		
Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o4.ts	Method	TBLASTX:Soybean
Start	73	End	348
GI	none	Score	118
Exons	73..168, 77..178, 78..158, 247..339, 249..341, 283..348		
Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o1.tc	Method	TBLASTX:Cress
Start	2108	End	5755
GI	none	Score	226
Exons	2108..2257, 2109..2258, 2848..3078, 2850..3077, 2904..3080, 2963..3079, 3392..4207, 3395..4183, 3575..3940, 3611..3940, 3953..4183, 3982..4101, 4254..4370, 4254..4490, 4291..4488, 4580..4657, 4580..4651, 4720..5004, 4720..4998, 4722..5000, 4734..4997, 5088..5447, 5089..5187, 5129..5206, 5133..5450, 5133..5447, 5141..5236, 5297..5452, 5299..5448, 5300..5449, 5327..5443, 5338..5457, 5540..5746, 5585..5755, 5661..5750		
Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o1.tm	Method	TBLASTX:Maize
Start	2108	End	5765
GI	none	Score	240
Exons	2108..2257, 2109..2258, 2148..2258, 2170..2259, 2170..2259, 2201..2260, 2848..3078, 2850..3077, 2904..3080, 3406..4119, 3406..3555, 3416..4207, 3416..4183, 3575..3958, 3611..3922, 3754..4185, 3754..3957, 3953..4183, 3972..4187, 3982..4101, 3986..4210, 4254..4490, 4266..4370, 4297..4488, 4579..4620, 4580..4657, 4580..4651, 4720..5004, 4720..4998, 4722..5000, 4767..4997, 5085..5447, 5133..5444, 5133..5447, 5141..5236, 5145..5390, 5285..5452, 5327..5443, 5540..5746, 5541..5735, 5560..5742, 5576..5764, 5682..5765		
Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o1.ts	Method	TBLASTX:Soybean
Start	2108	End	5748
GI	none	Score	230
Exons	2108..2257, 2109..2258, 2176..2259, 2848..3078, 2850..3077, 2904..3080, 3360..3737, 3416..4207, 3416..4168, 3575..3958,		

3754..3957, 3754..4182, 3953..4183, 3972..4187, 3982..4101,
4208..4249, 4254..4370, 4254..4490, 4282..4488, 4580..4657,
4580..4651, 4713..4997, 4720..5004, 4720..4998, 4722..5000,
5085..5447, 5126..5224, 5133..5450, 5133..5447, 5139..5303,
5291..5449, 5297..5452, 5336..5443, 5535..5588, 5540..5608,
5558..5746, 5641..5748

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o3.tw	Method	TBLASTX:Wheat
Start	2111	End	3093
GI	none	Score	215
Exons	2111..2257, 2115..2258, 2170..2259, 2170..2259, 2204..2260, 2848..3039, 2848..3093		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o1.tw	Method	TBLASTX:Wheat
Start	3575	End	5444
GI	none	Score	82
Exons	3575..3718, 3977..4207, 3980..4183, 4254..4490, 4267..4488, 4554..4616, 4580..4657, 4580..4651, 4720..4785, 4720..4779, 4722..4784, 5136..5444, 5139..5303		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o2.tw	Method	TBLASTX:Wheat
Start	3718	End	4998
GI	none	Score	392
Exons	3718..3957, 3719..3958, 4785..4997, 4786..4998		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o2.gs	Method	GENSCAN
Start	6921	End	12716
GI	none	Score	.9
Exons	6921..6994, 7046..7184, 7278..7328, 7412..7534, 8038..8106, 8980..9108, 9230..9439, 9541..9772, 9856..10037, 10175..10291, 10448..10570, 10979..12070, 12153..12368, 12648..12716		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o3.tm	Method	TBLASTX:Maize
Start	6999	End	9649
GI	none	Score	74
Exons	6999..7121, 7000..7095, 7053..7184, 7060..7185, 7269..7331, 7278..7328, 7279..7329, 7406..7543, 7410..7499, 7411..7536, 8032..8106, 8036..8104, 8037..8105, 8980..9108, 8981..9109, 8987..9112, 8988..9110, 9207..9455, 9227..9445, 9530..9649, 9541..9648		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89

Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o3.np	Method	AAT/NAP
Start	7511	End	12722
GI	5803221	Score	1144
Exons	7511..7534, 8912..9093, 9207..9427, 9541..9772, 9856..10037, 10448..10570, 10979..11530, 11567..12070, 12153..12374, 12492..12722		
GI Descrip.	WD repeat domain 3 gi|5639663|gb|AAD45865.1|AF083217_1 (AF083217) WD repeat protein WDR3 [Homo sapiens]		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o3.ts	Method	TBLASTX:Soybean
Start	9359	End	11959
GI	none	Score	81
Exons	9359..9445, 9360..9455, 9530..9661, 9538..9666, 9539..9661, 9541..9669, 9906..10004, 11876..11959		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o6.gp	Method	AAT/GAP
Start	9387	End	10007
GI	2428176	Score	801
Exons	9387..9439, 9541..9772, 9856..10007		
GI Descrip.	5803221/ref|NP_006775.1|pWDR3| 6.0e-50 WD repeat domain 3 >gi_5639663_gb_AAD45865.1_AF083217_1 (AF083217) WD repeat protein WDR3 [Homo sapiens]		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o5.tm	Method	TBLASTX:Maize
Start	9894	End	12043
GI	none	Score	141
Exons	9894..10043, 9910..10038, 10443..10571, 10443..10568, 10445..10573, 10445..10570, 10973..11092, 10977..11093, 11864..12043		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o2.tc	Method	TBLASTX:Cress
Start	11129	End	11557
GI	none	Score	192
Exons	11129..11494, 11169..11474, 11483..11557		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o2.ts	Method	TBLASTX:Soybean
Start	11133	End	11384
GI	none	Score	149
Exons	11133..11372, 11135..11371, 11135..11374, 11166..11384		

Seq. No.	37379	Seq. ID	OJ990318_08.9C23.C89
Gene No.	76702	Strand	-
Start	6921	End	12722
Name	OJ990318_08.9C23.C89.o2.tm	Method	TBLASTX:Maize
Start	11261	End	11790
GI	none	Score	541
Exons	11261..11788, 11262..11750, 11408..11788, 11674..11790		

Seq. No.	37380	Seq. ID	OJ990318_08.9C23.C90
Gene No.	76703	Strand	+
Start	755	End	1642
Name	OJ990318_08.9C23.C90.o1.gp	Method	AAT/GAP
Start	755	End	1054
GI	2442409	Score	539
Exons	755..1054		

Seq. No.	37380	Seq. ID	OJ990318_08.9C23.C90
Gene No.	76703	Strand	+
Start	755	End	1642
Name	OJ990318_08.9C23.C90.o1.np	Method	AAT/NAP
Start	772	End	1454
GI	3928087	Score	469
Exons	772..1454		
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	37380	Seq. ID	OJ990318_08.9C23.C90
Gene No.	76703	Strand	+
Start	755	End	1642
Name	OJ990318_08.9C23.C90.o1.tm	Method	TBLASTX:Maize
Start	797	End	1335
GI	none	Score	209
Exons	797..955, 798..953, 1016..1204, 1062..1205, 1145..1333, 1203..1334, 1288..1335		

Seq. No.	37380	Seq. ID	OJ990318_08.9C23.C90
Gene No.	76703	Strand	+
Start	755	End	1642
Name	OJ990318_08.9C23.C90.o1.gs	Method	GENSCAN
Start	801	End	1484
GI	none	Score	1
Exons	801..1484		

Seq. No.	37380	Seq. ID	OJ990318_08.9C23.C90
Gene No.	76703	Strand	+
Start	755	End	1642
Name	OJ990318_08.9C23.C90.o1.ts	Method	TBLASTX:Soybean
Start	1145	End	1445
GI	none	Score	355
Exons	1145..1429, 1146..1445		

Seq. No.	37380	Seq. ID	OJ990318_08.9C23.C90
Gene No.	76703	Strand	+
Start	755	End	1642
Name	OJ990318_08.9C23.C90.o2.tm	Method	TBLASTX:Maize
Start	1337	End	1642
GI	none	Score	211
Exons	1337..1489, 1338..1490, 1531..1563, 1607..1642		

Seq. No.	37381	Seq. ID	OJ990318_08.9C23.C91
Gene No.	76704	Strand	+
Start	1	End	642
Name	OJ990318_08.9C23.C91.o1.np	Method	AAT/NAP
Start	1	End	642
GI	5852084	Score	95
Exons	1..51, 559..642		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	37381	Seq. ID	OJ990318_08.9C23.C91
Gene No.	76705	Strand	+
Start	902	End	1779
Name	OJ990318_08.9C23.C91.o1.gs	Method	GENSCAN
Start	902	End	1779
GI	none	Score	.99
Exons	902..981, 1308..1779		

Seq. No.	37381	Seq. ID	OJ990318_08.9C23.C91
Gene No.	76706	Strand	+
Start	2095	End	2857
Name	OJ990318_08.9C23.C91.o1.gp	Method	AAT/GAP
Start	2095	End	2857
GI	45631_1.R1084	Score	1458
Exons	2095..2857		
GI Descrip.	'4678345/emb|CAB41155.1| 5.0e-34 (AL049659) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	37381	Seq. ID	OJ990318_08.9C23.C91
Gene No.	76707	Strand	-
Start	2486	End	5380
Name	OJ990318_08.9C23.C91.o2.gs	Method	GENSCAN
Start	2486	End	5380
GI	none	Score	.6
Exons	2486..4003, 4052..4656, 4961..5380		

Seq. No.	37381	Seq. ID	OJ990318_08.9C23.C91
Gene No.	76707	Strand	-
Start	2486	End	5380
Name	OJ990318_08.9C23.C91.o1.tc	Method	TBLASTX:Cress
Start	2489	End	2974
GI	none	Score	205
Exons	2489..2818, 2508..2795, 2915..2974		

Seq. No.	37381	Seq. ID	OJ990318_08.9C23.C91
Gene No.	76707	Strand	-
Start	2486	End	5380
Name	OJ990318_08.9C23.C91.o1.tm	Method	TBLASTX:Maize
Start	2570	End	2827
GI	none	Score	100
Exons	2570..2659, 2574..2657, 2663..2827, 2700..2813		

Seq. No.	37381	Seq. ID	OJ990318_08.9C23.C91
Gene No.	76707	Strand	-
Start	2486	End	5380
Name	OJ990318_08.9C23.C91.o2.gp	Method	AAT/GAP
Start	2906	End	3255

GI	2310851	Score	637
Exons	2906..3255		

Seq. No.	37381	Seq. ID	OJ990318_08.9C23.C91
Gene No.	76707	Strand	-
Start	2486	End	5380
Name	OJ990318_08.9C23.C91.o3.gp	Method	AAT/GAP
Start	3811	End	5010
GI	24575_1.R1084	Score	1709
Exons	3811..4656, 4961..5010		
GI Descrip.	'4678345/emb|CAB41155.1| 1.0e-09 (AL049659) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	37382	Seq. ID	OJ990318_08.9C23.C93
Gene No.	76708	Strand	-
Start	387	End	455
Name	OJ990318_08.9C23.C93.o1.gs	Method	GENSCAN
Start	387	End	455
GI	none	Score	.84
Exons	387..455		

Seq. No.	37383	Seq. ID	OJ990318_08.9C23.C95
Gene No.	76709	Strand	-
Start	357	End	964
Name	OJ990318_08.9C23.C95.o1.gs	Method	GENSCAN
Start	357	End	964
GI	none	Score	.97
Exons	357..964		

Seq. No.	37384	Seq. ID	OJ990318_08.9C23.C96
Gene No.	76710	Strand	-
Start	642	End	2092
Name	OJ990318_08.9C23.C96.o1.np	Method	AAT/NAP
Start	642	End	2092
GI	4678345	Score	589
Exons	642..767, 1482..1549, 1626..1704, 1791..2092		
GI Descrip.	(AL049659) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	37384	Seq. ID	OJ990318_08.9C23.C96
Gene No.	76710	Strand	-
Start	642	End	2092
Name	OJ990318_08.9C23.C96.o1.gs	Method	GENSCAN
Start	1251	End	2007
GI	none	Score	.4
Exons	1251..1332, 1626..1704, 1791..2007		

Seq. No.	37384	Seq. ID	OJ990318_08.9C23.C96
Gene No.	76710	Strand	-
Start	642	End	2092
Name	OJ990318_08.9C23.C96.o1.ts	Method	TBLASTX:Soybean
Start	1643	End	2073
GI	none	Score	38
Exons	1643..1681, 1801..2064, 1813..2073		

Seq. No.	37384	Seq. ID	OJ990318_08.9C23.C96
Gene No.	76710	Strand	-
Start	642	End	2092

Name	OJ990318_08.9C23.C96.o1.tm	Method	TBLASTX:Maize
Start	1845	End	2073
GI	none	Score	68
Exons	1845..1985, 1845..1979, 1849..2073, 1850..1993		

Seq. No.	37385	Seq. ID	OJ990318_08.9C23.C97
Gene No.	76711	Strand	-
Start	1	End	905
Name	OJ990318_08.9C23.C97.o1.np	Method	AAT/NAP
Start	1	End	875
GI	4678345	Score	481
Exons	1..233, 260..875		
GI Descrip.	(AL049659) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	37385	Seq. ID	OJ990318_08.9C23.C97
Gene No.	76711	Strand	-
Start	1	End	905
Name	OJ990318_08.9C23.C97.o2.ts	Method	TBLASTX:Soybean
Start	6	End	221
GI	none	Score	71
Exons	6..221, 7..138, 60..212		

Seq. No.	37385	Seq. ID	OJ990318_08.9C23.C97
Gene No.	76711	Strand	-
Start	1	End	905
Name	OJ990318_08.9C23.C97.o1.gs	Method	GENSCAN
Start	21	End	905
GI	none	Score	.91
Exons	21..905		

Seq. No.	37385	Seq. ID	OJ990318_08.9C23.C97
Gene No.	76711	Strand	-
Start	1	End	905
Name	OJ990318_08.9C23.C97.o1.ts	Method	TBLASTX:Soybean
Start	657	End	840
GI	none	Score	127
Exons	657..839, 697..840		

Seq. No.	37386	Seq. ID	OJ990318_08.9C23.C98
Gene No.	76712	Strand	+
Start	1	End	517
Name	OJ990318_08.9C23.C98.o1.np	Method	AAT/NAP
Start	1	End	517
GI	5541717	Score	168
Exons	1..91, 425..517		
GI Descrip.	(AL049655) kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	37387	Seq. ID	OJ990318_08.9C23.C99
Gene No.	76713	Strand	+
Start	1	End	760
Name	OJ990318_08.9C23.C99.o1.np	Method	AAT/NAP
Start	1	End	760
GI	5441880	Score	429
Exons	1..550, 661..760		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	37387	Seq. ID	OJ990318_08.9C23.C99
Gene No.	76713	Strand	+
Start	1	End	760
Name	OJ990318_08.9C23.C99.o1.tm	Method	TBLASTX:Maize
Start	94	End	676
GI	none	Score	135
Exons	94..216, 95..247, 247..552, 248..556, 596..676, 598..624		

Seq. No.	37387	Seq. ID	OJ990318_08.9C23.C99
Gene No.	76713	Strand	+
Start	1	End	760
Name	OJ990318_08.9C23.C99.o1.tw	Method	TBLASTX:Wheat
Start	385	End	745
GI	none	Score	197
Exons	385..534, 386..562, 386..535, 612..695	575..745, 583..630, 587..676,	

Seq. No.	37388	Seq. ID	OJ990318_08.9C23.C103
Gene No.	76714	Strand	+
Start	45	End	562
Name	OJ990318_08.9C23.C103.o1.gs	Method	GENSCAN
Start	45	End	562
GI	none	Score	.69
Exons	45..83, 161..258, 361..562		

Seq. No.	37389	Seq. ID	OJ990318_08.9C23.C104
Gene No.	76715	Strand	-
Start	21	End	280
Name	OJ990318_08.9C23.C104.o1.gs	Method	GENSCAN
Start	21	End	280
GI	none	Score	.59
Exons	21..280		

Seq. No.	37390	Seq. ID	OJ990318_08.9C23.C105
Gene No.	76716	Strand	-
Start	108	End	258
Name	OJ990318_08.9C23.C105.o1.gs	Method	GENSCAN
Start	108	End	258
GI	none	Score	.73
Exons	108..258		

Seq. No.	37391	Seq. ID	OJ990318_08.9C23.C106
Gene No.	76717	Strand	+
Start	59	End	304
Name	OJ990318_08.9C23.C106.o1.gp	Method	AAT/GAP
Start	59	End	304
GI	10475_1.R1084	Score	418
Exons	59..304		
GI Descrip.	'1438883 9.0e-93 (U43840) GmCK3p [Glycine max]'		

Seq. No.	37391	Seq. ID	OJ990318_08.9C23.C106
Gene No.	76718	Strand	-
Start	369	End	623
Name	OJ990318_08.9C23.C106.o1.gs	Method	GENSCAN
Start	369	End	623
GI	none	Score	.47

Exons	369..445, 557..623		
Seq. No.	37392	Seq. ID	OJ990318_08.9C23.C108
Gene No.	76719	Strand	+
Start	535	End	721
Name	OJ990318_08.9C23.C108.o1.gp	Method	AAT/GAP
Start	535	End	721
GI	LIB3431-058-P1-K1-D2	Score	334
Exons	535..721		
GI Descrip.	'15961/emb|CAA78267| 3.0e-22 (Z12621) precursor alliinase [Allium cepa]'		
Seq. No.	37392	Seq. ID	OJ990318_08.9C23.C108
Gene No.	76720	Strand	-
Start	367	End	649
Name	OJ990318_08.9C23.C108.o1.gs	Method	GENSCAN
Start	367	End	649
GI	none	Score	.61
Exons	367..505, 609..649		
Seq. No.	37393	Seq. ID	OJ990318_08.9C23.C110
Gene No.	76721	Strand	+
Start	88	End	375
Name	OJ990318_08.9C23.C110.o1.gs	Method	GENSCAN
Start	88	End	375
GI	none	Score	.79
Exons	88..375		
Seq. No.	37394	Seq. ID	OJ990318_08.9C23.C111
Gene No.	76722	Strand	-
Start	1	End	636
Name	OJ990318_08.9C23.C111.o1.np	Method	AAT/NAP
Start	1	End	636
GI	4512105	Score	377
Exons	1..238, 344..636		
GI Descrip.	(AF121962) alliinase [Allium cepa]		
Seq. No.	37394	Seq. ID	OJ990318_08.9C23.C111
Gene No.	76722	Strand	-
Start	1	End	636
Name	OJ990318_08.9C23.C111.o1.tm	Method	TBLASTX:Maize
Start	2	End	546
GI	none	Score	113
Exons	2..103, 3..104, 5..115, 100..237, 101..241, 110..238, 308..463, 340..468, 436..534, 461..535, 482..541, 484..546		
Seq. No.	37394	Seq. ID	OJ990318_08.9C23.C111
Gene No.	76722	Strand	-
Start	1	End	636
Name	OJ990318_08.9C23.C111.o1.tw	Method	TBLASTX:Wheat
Start	2	End	192
GI	none	Score	128
Exons	2..103, 3..104, 5..115, 7..105, 101..184, 101..184, 105..191, 106..192		
Seq. No.	37394	Seq. ID	OJ990318_08.9C23.C111
Gene No.	76722	Strand	-

Start	1	End	636
Name	OJ990318_08.9C23.C111.o1.gs	Method	GENSCAN
Start	30	End	615
GI	none	Score	.7
Exons	30..100, 127..238, 344..615		

Seq. No.	37394	Seq. ID	OJ990318_08.9C23.C111
Gene No.	76722	Strand	-
Start	1	End	636
Name	OJ990318_08.9C23.C111.o1.gp	Method	AAT/GAP
Start	159	End	636
GI	97415_1.R1084	Score	656
Exons	159..238, 344..636		
GI Descrip.	'166341 8.0e-37 (M98267) alliinase [Allium cepa] >gi_1044969 (L48614) allinase [Allium cepa]'		

Seq. No.	37395	Seq. ID	OJ990318_08.9C23.C113
Gene No.	76723	Strand	-
Start	1	End	541
Name	OJ990318_08.9C23.C113.o1.gp	Method	AAT/GAP
Start	1	End	362
GI	72477_1.R1084	Score	687
Exons	1..362		
GI Descrip.	'4204695 2.0e-38 (AF117062) putative inositol polyphosphate 5-phosphatase At5P1 [Arabidopsis thaliana]'		

Seq. No.	37395	Seq. ID	OJ990318_08.9C23.C113
Gene No.	76723	Strand	-
Start	1	End	541
Name	OJ990318_08.9C23.C113.o1.gs	Method	GENSCAN
Start	140	End	362
GI	none	Score	.62
Exons	140..362		

Seq. No.	37395	Seq. ID	OJ990318_08.9C23.C113
Gene No.	76723	Strand	-
Start	1	End	541
Name	OJ990318_08.9C23.C113.o1.np	Method	AAT/NAP
Start	164	End	363
GI	6682606	Score	178
Exons	164..363		
GI Descrip.	(AC016163) putative inositol polyphosphate phosphatase, 5' partial [Arabidopsis thaliana]		

Seq. No.	37395	Seq. ID	OJ990318_08.9C23.C113
Gene No.	76723	Strand	-
Start	1	End	541
Name	OJ990318_08.9C23.C113.o1.ts	Method	TBLASTX:Soybean
Start	185	End	374
GI	none	Score	56
Exons	185..361, 188..289, 198..374, 207..362		

Seq. No.	37395	Seq. ID	OJ990318_08.9C23.C113
Gene No.	76723	Strand	-
Start	1	End	541
Name	OJ990318_08.9C23.C113.o1.tc	Method	TBLASTX:Cress
Start	191	End	541

GI	none	Score	124
Exons	191..361, 207..362, 238..372, 428..541		
Seq. No.	37396	Seq. ID	OJ990318_08.9C23.C114
Gene No.	76724	Strand	-
Start	27	End	354
Name	OJ990318_08.9C23.C114.o1.gs	Method	GENSCAN
Start	27	End	354
GI	none	Score	.63
Exons	27..354		
Seq. No.	37397	Seq. ID	OJ990428_03.9C10.C1
Gene No.	76725	Strand	-
Start	70	End	1009
Name	OJ990428_03.9C10.C1.o1.gs	Method	GENSCAN
Start	70	End	897
GI	none	Score	.95
Exons	70..897		
Seq. No.	37397	Seq. ID	OJ990428_03.9C10.C1
Gene No.	76725	Strand	-
Start	70	End	1009
Name	OJ990428_03.9C10.C1.o1.np	Method	AAT/NAP
Start	152	End	1009
GI	3449378	Score	351
Exons	152..1009		
GI Descrip.	(AF039681) plant resistance protein [Lycopersicon esculentum]		
Seq. No.	37397	Seq. ID	OJ990428_03.9C10.C1
Gene No.	76725	Strand	-
Start	70	End	1009
Name	OJ990428_03.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	361	End	927
GI	none	Score	63
Exons	361..534, 574..729, 715..927, 767..868, 799..903		
Seq. No.	37397	Seq. ID	OJ990428_03.9C10.C1
Gene No.	76725	Strand	-
Start	70	End	1009
Name	OJ990428_03.9C10.C1.o1.tc	Method	TBLASTX:Cress
Start	367	End	936
GI	none	Score	46
Exons	367..501, 517..660, 679..810, 817..936		
Seq. No.	37398	Seq. ID	OJ990428_03.9C10.C3
Gene No.	76726	Strand	-
Start	1	End	760
Name	OJ990428_03.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	760
GI	2507426	Score	130
Exons	1..265, 740..760		
GI Descrip.	ALANYL-TRNA SYNTHETASE, MITOCHONDRIAL PRECURSOR (ALANINE--TRNA LIGASE) (ALARS) gi|1673365|emb|CAA80380| (Z22673) mitochondrial tRNA-Ala synthetase [Arabidopsis thaliana]		
Seq. No.	37398	Seq. ID	OJ990428_03.9C10.C3
Gene No.	76726	Strand	-

Start	1	End	760
Name	OJ990428_03.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	55	End	205
GI	none	Score	93
Exons	55..204, 56..205, 56..205		

Seq. No.	37398	Seq. ID	OJ990428_03.9C10.C3
Gene No.	76726	Strand	-
Start	1	End	760
Name	OJ990428_03.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	55	End	204
GI	none	Score	173
Exons	55..204, 56..202, 58..204		

Seq. No.	37398	Seq. ID	OJ990428_03.9C10.C3
Gene No.	76726	Strand	-
Start	1	End	760
Name	OJ990428_03.9C10.C3.o1.gs	Method	GENSCAN
Start	58	End	201
GI	none	Score	.51
Exons	58..201		

Seq. No.	37399	Seq. ID	OJ990428_03.9C10.C8
Gene No.	76727	Strand	+
Start	454	End	569
Name	OJ990428_03.9C10.C8.o1.gs	Method	GENSCAN
Start	454	End	569
GI	none	Score	.83
Exons	454..569		

Seq. No.	37400	Seq. ID	OJ990428_03.9C10.C9
Gene No.	76728	Strand	+
Start	1	End	601
Name	OJ990428_03.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	598
GI	2529685	Score	505
Exons	1..598		
GI Descrip.	(AC002535) putative dimethyladenosine transferase [Arabidopsis thaliana]		

Seq. No.	37400	Seq. ID	OJ990428_03.9C10.C9
Gene No.	76728	Strand	+
Start	1	End	601
Name	OJ990428_03.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	59	End	310
GI	none	Score	335
Exons	59..310, 70..291, 93..296		

Seq. No.	37400	Seq. ID	OJ990428_03.9C10.C9
Gene No.	76728	Strand	+
Start	1	End	601
Name	OJ990428_03.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	210	End	601
GI	none	Score	164
Exons	210..377, 210..365, 211..366, 467..601	212..409, 450..596, 466..597,	

Seq. No.	37401	Seq. ID	OJ990428_03.9C10.C10
Gene No.	76729	Strand	+
Start	366	End	509
Name	OJ990428_03.9C10.C10.o1.gp	Method	AAT/GAP
Start	366	End	509
GI	LIB3431-027-P1-K1-D5	Score	235
Exons	366..509		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	37401	Seq. ID	OJ990428_03.9C10.C10
Gene No.	76730	Strand	-
Start	547	End	665
Name	OJ990428_03.9C10.C10.o1.gs	Method	GENSCAN
Start	547	End	665
GI	none	Score	1
Exons	547..665		

Seq. No.	37402	Seq. ID	OJ990428_03.9C10.C12
Gene No.	76731	Strand	+
Start	11772	End	22959
Name	OJ990428_03.9C10.C12.o3.gs	Method	GENSCAN
Start	11772	End	22959
GI	none	Score	.42
Exons	11772..11787, 13031..14784, 15900..16043, 18237..18510, 18521..18646, 21088..21123, 22123..22290, 22379..22655, 22764..22959		

Seq. No.	37402	Seq. ID	OJ990428_03.9C10.C12
Gene No.	76732	Strand	-
Start	271	End	17217
Name	OJ990428_03.9C10.C12.o1.gs	Method	GENSCAN
Start	271	End	3043
GI	none	Score	.44
Exons	271..877, 1564..1609, 2908..2974, 2979..3043		

Seq. No.	37402	Seq. ID	OJ990428_03.9C10.C12
Gene No.	76732	Strand	-
Start	271	End	17217
Name	OJ990428_03.9C10.C12.o1.np	Method	AAT/NAP
Start	1520	End	17217
GI	4680183	Score	185
Exons	1520..1611, 2219..2285, 17194..17217		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	37402	Seq. ID	OJ990428_03.9C10.C12
Gene No.	76732	Strand	-
Start	271	End	17217
Name	OJ990428_03.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	8212	End	13324
GI	none	Score	188
Exons	8212..8505, 8214..8492, 8554..8601, 12919..13044, 13060..13191, 13111..13215, 13264..13311, 13283..13324		

Seq. No.	37402	Seq. ID	OJ990428_03.9C10.C12
Gene No.	76733	Strand	
Start	18715	End	19137

Name	OJ990428_03.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	18715	End	19137
GI	none	Score	240
Exons	18715..18960, 18735..18947, 18952..19011, 18987..19010, 19021..19137, 19026..19136		

Seq. No.	37402	Seq. ID	OJ990428_03.9C10.C12
Gene No.	76733	Strand	
Start	18715	End	19137
Name	OJ990428_03.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	18766	End	19089
GI	none	Score	317
Exons	18766..19089, 18774..19043		

Seq. No.	37402	Seq. ID	OJ990428_03.9C10.C12
Gene No.	76734	Strand	
Start	19324	End	19701
Name	OJ990428_03.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	19324	End	19701
GI	none	Score	41
Exons	19324..19371, 19387..19701, 19387..19533, 19620..19685		

Seq. No.	37403	Seq. ID	OJ990428_03.9C10.C13
Gene No.	76735	Strand	-
Start	1407	End	1960
Name	OJ990428_03.9C10.C13.o1.np	Method	AAT/NAP
Start	1407	End	1960
GI	5091507	Score	90
Exons	1407..1513, 1759..1960		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	37403	Seq. ID	OJ990428_03.9C10.C13
Gene No.	76736	Strand	
Start	1982	End	2379
Name	OJ990428_03.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	1982	End	2379
GI	none	Score	90
Exons	1982..2104, 1988..2104, 1993..2106, 2034..2105, 2190..2372, 2193..2375, 2239..2379		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o2.tm	Method	TBLASTX:Maize
Start	459	End	2625
GI	none	Score	39
Exons	459..494, 528..665, 529..684, 2508..2573, 2520..2558, 2552..2590, 2552..2581, 2587..2625		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o3.tc	Method	TBLASTX:Cress
Start	495	End	2558
GI	none	Score	227
Exons	495..665, 508..684, 1695..1739, 2502..2558		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o1.np	Method	AAT/NAP
Start	514	End	8604
GI	4539327	Score	2761
Exons	514..666, 1695..1739, 2514..2633, 2715..2822, 3645..3752, 3842..4015, 4308..4445, 4821..4928, 5073..5180, 5282..5430, 6536..6689, 6922..7082, 7163..7389, 7472..7700, 7788..7871, 7965..8164, 8256..8315, 8403..8604		
GI Descrip.	(AL035679) putative proton pump [Arabidopsis thaliana]		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o1.gs	Method	GENSCAN
Start	520	End	8607
GI	none	Score	.85
Exons	520..591, 658..765, 1695..1739, 2514..2633, 2715..2822, 3842..4015, 4308..4445, 4821..4928, 5073..5180, 5282..5430, 6536..6689, 6922..7082, 7163..7369, 7517..7700, 7788..7871, 7965..8164, 8403..8607		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o5.ts	Method	TBLASTX:Soybean
Start	534	End	669
GI	none	Score	193
Exons	534..665, 535..669		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o2.tc	Method	TBLASTX:Cress
Start	2769	End	7298
GI	none	Score	72
Exons	2769..2822, 3642..3752, 3644..3763, 3839..4015, 3841..4014, 4305..4433, 4306..4398, 4314..4448, 4316..4447, 4820..4921, 4821..4931, 5027..5176, 5059..5175, 5070..5183, 5072..5188, 5267..5428, 5279..5440, 5287..5436, 6537..6695, 6539..6682, 6906..7079, 6910..7080, 6917..7087, 6919..7089, 7118..7297, 7124..7282, 7155..7298, 7164..7298		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o2.ts	Method	TBLASTX:Soybean
Start	3920	End	5440
GI	none	Score	130
Exons	3920..4015, 3922..4014, 4305..4445, 4314..4448, 4316..4447, 4820..4933, 4821..4931, 5072..5176, 5073..5183, 5085..5180, 5279..5440, 5281..5436		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977

Name	OJ990428_03.9C10.C14.o4.ts	Method	TBLASTX:Soybean
Start	6922	End	7096
GI	none	Score	211
Exons	6922..7080, 6938..7096, 6951..7076		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	6938	End	8606
GI	none	Score	119
Exons	6938..7078, 6939..7079, 6940..7131, 6948..7079, 7145..7372, 7152..7373, 7164..7370, 7166..7372, 7510..7698, 7515..7700, 7517..7702, 7518..7703, 7787..7864, 7787..7870, 7812..7871, 7815..7871, 7959..8015, 7965..8015, 7966..8025, 8016..8162, 8029..8076, 8060..8122, 8091..8162, 8099..8164, 8244..8315, 8254..8316, 8255..8317, 8255..8317, 8404..8583, 8406..8588, 8415..8606, 8417..8605		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o1.gp	Method	AAT/GAP
Start	7153	End	8977
GI	633_1.R1084	Score	2441
Exons	7153..7369, 7517..7700, 7788..7871, 7965..8164, 8256..8317, 8404..8977		
GI Descrip.	'4567273/gb|AAD23686.1|AC006841_14 1.0e-111 (AC006841) putative vacuolar proton ATPase subunit [Arabidopsis thaliana]'		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o3.ts	Method	TBLASTX:Soybean
Start	7163	End	7373
GI	none	Score	233
Exons	7163..7348, 7164..7367, 7203..7373		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	7299	End	8466
GI	none	Score	105
Exons	7299..7370, 7304..7351, 7510..7650, 7515..7691, 7518..7703, 7523..7702, 7787..7867, 7815..7868, 7965..8015, 8091..8162, 8099..8164, 8253..8288, 8254..8289, 8290..8316, 8419..8466		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	7598	End	8602
GI	none	Score	151
Exons	7598..7702, 7599..7703, 7787..7891, 7815..7868, 8005..8082, 8034..8162, 8091..8162, 8099..8164, 8253..8318, 8254..8316, 8403..8564, 8403..8573, 8404..8583, 8468..8602		

Seq. No.	37404	Seq. ID	OJ990428_03.9C10.C14
Gene No.	76737	Strand	+
Start	514	End	8977
Name	OJ990428_03.9C10.C14.o4.tc	Method	TBLASTX:Cress
Start	8467	End	8588
GI	none	Score	188
Exons	8467..8580, 8469..8588, 8475..8588		

Seq. No.	37405	Seq. ID	OJ990428_03.9C10.C15
Gene No.	76738	Strand	-
Start	23	End	214
Name	OJ990428_03.9C10.C15.o1.gs	Method	GENSCAN
Start	23	End	214
GI	none	Score	.78
Exons	23..214		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o2.gs	Method	GENSCAN
Start	1165	End	5241
GI	none	Score	.74
Exons	1165..1301, 1338..1473, 1767..1835, 2547..2720, 3469..3651, 3773..3862, 4091..4256, 4279..4454, 4557..4699, 4779..4854, 4934..5005, 5098..5241		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o1.gp	Method	AAT/GAP
Start	2162	End	3870
GI	5471_1.R1084	Score	1340
Exons	2162..2441, 2547..2720, 3469..3651, 3773..3870		
GI Descrip.	'5734779/gb|AAD50044.1|AC007980_9 9.0e-40 (AC007980) 78688 [Arabidopsis thaliana]'		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	2362	End	3552
GI	none	Score	65
Exons	2362..2442, 2364..2444, 2377..2442, 2538..2717, 2542..2721, 2546..2722, 2596..2718, 3467..3547, 3469..3552, 3470..3544		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o1.np	Method	AAT/NAP
Start	2373	End	5608
GI	5734779	Score	1118
Exons	2373..2441, 2547..2720, 3469..3651, 3773..3862, 4091..4278, 4346..4454, 4557..4699, 4779..4854, 4934..5005, 5098..5244, 5576..5608		
GI Descrip.	(AC007980) 78688 [Arabidopsis thaliana]		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	2376	End	4846
GI	none	Score	61
Exons	2376..2444, 2638..2718, 2652..2717, 3467..3568, 3469..3651, 3470..3646, 3773..3865, 4091..4309, 4095..4346, 4167..4310, 4333..4452, 4342..4452, 4344..4454, 4554..4709, 4555..4701, 4775..4846, 4777..4845		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o2.tc	Method	TBLASTX:Cress
Start	2376	End	4310
GI	none	Score	67
Exons	2376..2444, 2652..2717, 2653..2712, 3464..3649, 3469..3657, 3469..3651, 3773..3859, 4065..4310, 4079..4309		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	2577	End	3845
GI	none	Score	79
Exons	2577..2723, 2592..2717, 2596..2730, 3472..3651, 3473..3670, 3479..3670, 3771..3845, 3773..3838		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	3559	End	5244
GI	none	Score	119
Exons	3559..3651, 3560..3670, 3561..3653, 3771..3860, 3773..3859, 3791..3883, 4042..4131, 4088..4279, 4091..4309, 4092..4310, 4219..4320, 4340..4453, 4342..4455, 4344..4454, 4547..4696, 4554..4709, 4557..4697, 4558..4701, 4777..4860, 4778..4855, 4931..5020, 4934..5005, 5095..5244, 5096..5242, 5098..5244		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	4431	End	5245
GI	none	Score	141
Exons	4431..4454, 4554..4709, 4555..4701, 4775..4855, 4777..4860, 4934..5005, 4938..5012, 5095..5244, 5096..5245, 5096..5245		

Seq. No.	37406	Seq. ID	OJ990428_03.9C10.C16
Gene No.	76739	Strand	-
Start	1165	End	5608
Name	OJ990428_03.9C10.C16.o2.ts	Method	TBLASTX:Soybean
Start	4934	End	5245
GI	none	Score	71
Exons	4934..5005, 4938..5006, 5095..5127, 5105..5245, 5143..5244		

Seq. No.	37407	Seq. ID	OJ990428_03.9C10.C17
Gene No.	76740	Strand	-
Start	1	End	1051
Name	OJ990428_03.9C10.C17.o1.np	Method	AAT/NAP
Start	1	End	1051
GI	1673366	Score	68
Exons	1..46, 169..257, 867..1051		
GI Descrip.	(Z22673) cytosolic tRNA-Ala synthetase [Arabidopsis thaliana]		

Seq. No.	37407	Seq. ID	OJ990428_03.9C10.C17
Gene No.	76740	Strand	-
Start	1	End	1051
Name	OJ990428_03.9C10.C17.o1.gp	Method	AAT/GAP
Start	155	End	903
GI	LIB3434-062-P1-K1-E9	Score	202
Exons	155..257, 867..903		
GI Descrip.	'421855/pir||S32671 3.0e-14 alanine--tRNA ligase (EC 6.1.1.7) - Arabidopsis thaliana (fragment)'		

Seq. No.	37407	Seq. ID	OJ990428_03.9C10.C17
Gene No.	76740	Strand	-
Start	1	End	1051
Name	OJ990428_03.9C10.C17.o1.gs	Method	GENSCAN
Start	159	End	962
GI	none	Score	.97
Exons	159..257, 867..962		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76741	Strand	+
Start	679	End	1617
Name	OJ990428_03.9C10.C18.o1.gs	Method	GENSCAN
Start	679	End	1617
GI	none	Score	.61
Exons	679..1617		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76741	Strand	+
Start	679	End	1617
Name	OJ990428_03.9C10.C18.o1.np	Method	AAT/NAP
Start	745	End	1614
GI	5042448	Score	1232
Exons	745..1614		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o2.gs	Method	GENSCAN
Start	1869	End	6185
GI	none	Score	.54
Exons	1869..6185		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247

Name	OJ990428_03.9C10.C18.o2.np	Method	AAT/NAP
Start	1869	End	6247
GI	4680179	Score	7532
Exons	1869..6247		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o6.tw	Method	TBLASTX:Wheat
Start	2136	End	2495
GI	none	Score	308
Exons	2136..2495, 2162..2236, 2261..2494		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o6.tm	Method	TBLASTX:Maize
Start	2376	End	2672
GI	none	Score	210
Exons	2376..2672, 2393..2563		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o7.tm	Method	TBLASTX:Maize
Start	3012	End	3332
GI	none	Score	189
Exons	3012..3332, 3065..3157		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o7.tw	Method	TBLASTX:Wheat
Start	3015	End	3437
GI	none	Score	152
Exons	3015..3224, 3065..3163, 3246..3437, 3275..3433		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o4.tw	Method	TBLASTX:Wheat
Start	3594	End	4076
GI	none	Score	550
Exons	3594..4076, 3698..4033, 3720..4067		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o5.tm	Method	TBLASTX:Maize
Start	3606	End	3895
GI	none	Score	322
Exons	3606..3893, 3704..3895		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247

Name	OJ990428_03.9C10.C18.o4.ts	Method	TBLASTX:Soybean
Start	3630	End	3944
GI	none	Score	183
Exons	3630..3944, 3746..3943		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o3.tm	Method	TBLASTX:Maize
Start	3963	End	4463
GI	none	Score	161
Exons	3963..4142, 3971..4096, 4128..4463, 4214..4345, 4215..4418, 4370..4420		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	4017	End	4412
GI	none	Score	57
Exons	4017..4049, 4017..4061, 4053..4412, 4053..4133, 4148..4411		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o5.tw	Method	TBLASTX:Wheat
Start	4125	End	4427
GI	none	Score	402
Exons	4125..4427, 4126..4227, 4145..4426		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o2.tw	Method	TBLASTX:Wheat
Start	4428	End	4937
GI	none	Score	628
Exons	4428..4937, 4460..4771, 4506..4853, 4814..4936		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o3.ts	Method	TBLASTX:Soybean
Start	4434	End	4679
GI	none	Score	202
Exons	4434..4679		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o2.tm	Method	TBLASTX:Maize
Start	4500	End	4865
GI	none	Score	488
Exons	4500..4853, 4502..4768, 4554..4865		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247

Name	OJ990428_03.9C10.C18.o3.tw	Method	TBLASTX:Wheat
Start	4941	End	5420
GI	none	Score	588
Exons	4941..5420, 4974..5387, 5012..5419		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	5127	End	5444
GI	none	Score	89
Exons	5127..5300, 5301..5444, 5303..5443		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o2.ts	Method	TBLASTX:Soybean
Start	5208	End	5468
GI	none	Score	299
Exons	5208..5468, 5213..5467, 5277..5468		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o4.tm	Method	TBLASTX:Maize
Start	5267	End	5558
GI	none	Score	386
Exons	5267..5554, 5268..5558		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	5427	End	6053
GI	none	Score	728
Exons	5427..6053, 5429..6052		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	5607	End	6206
GI	none	Score	226
Exons	5607..5768, 5615..5761, 5766..6206, 5768..6193		

Seq. No.	37408	Seq. ID	OJ990428_03.9C10.C18
Gene No.	76742	Strand	+
Start	1869	End	6247
Name	OJ990428_03.9C10.C18.o8.tw	Method	TBLASTX:Wheat
Start	6053	End	6247
GI	none	Score	215
Exons	6053..6247, 6054..6242		

Seq. No.	37409	Seq. ID	OJ990428_03.9C10.C19
Gene No.	76743	Strand	+
Start	161	End	238
Name	OJ990428_03.9C10.C19.o1.gp	Method	AAT/GAP

Start	161	End	238
GI	LIB3477-003-P1-K1-E9	Score	134
Exons	161..238		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	37410	Seq. ID	OJ990428_03.9C10.C21
Gene No.	76744	Strand	-
Start	1	End	311
Name	OJ990428_03.9C10.C21.o1.np	Method	AAT/NAP
Start	1	End	311
GI	4680179	Score	491
Exons	1..311		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	37410	Seq. ID	OJ990428_03.9C10.C21
Gene No.	76744	Strand	-
Start	1	End	311
Name	OJ990428_03.9C10.C21.o1.gs	Method	GENSCAN
Start	21	End	311
GI	none	Score	.88
Exons	21..311		

Seq. No.	37411	Seq. ID	OJ990428_03.9C10.C24
Gene No.	76745	Strand	-
Start	402	End	456
Name	OJ990428_03.9C10.C24.o1.gs	Method	GENSCAN
Start	402	End	456
GI	none	Score	.82
Exons	402..456		

Seq. No.	37412	Seq. ID	OJ990428_03.9C10.C26
Gene No.	76746	Strand	-
Start	45	End	568
Name	OJ990428_03.9C10.C26.o1.gs	Method	GENSCAN
Start	45	End	568
GI	none	Score	.76
Exons	45..568		

Seq. No.	37413	Seq. ID	OJ990428_03.9C10.C30
Gene No.	76747	Strand	+
Start	63	End	119
Name	OJ990428_03.9C10.C30.o1.gs	Method	GENSCAN
Start	63	End	119
GI	none	Score	.67
Exons	63..119		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76748	Strand	+
Start	13195	End	17466
Name	OJ990428_03.9C10.C31.o3.gs	Method	GENSCAN
Start	13195	End	17466
GI	none	Score	.6
Exons	13195..13281, 13477..13503, 13567..13656, 14043..14135, 14721..14896, 15040..15672, 15771..15938, 17271..17466		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76749	Strand	+
Start	18289	End	18843
Name	OJ990428_03.9C10.C31.o4.gs	Method	GENSCAN
Start	18289	End	18843
GI	none	Score	.45
Exons	18289..18411, 18454..18843		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76750	Strand	-
Start	1	End	1431
Name	OJ990428_03.9C10.C31.o1.np	Method	AAT/NAP
Start	1	End	1431
GI	3645898	Score	113
Exons	1..190, 1384..1431		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76750	Strand	-
Start	1	End	1431
Name	OJ990428_03.9C10.C31.o1.gp	Method	AAT/GAP
Start	953	End	1380
GI	none	Score	676
Exons	953..1380		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76751	Strand	-
Start	1432	End	12855
Name	OJ990428_03.9C10.C31.o2.gs	Method	GENSCAN
Start	1432	End	12062
GI	none	Score	.54
Exons	1432..1568, 2009..2181, 2292..2522, 2919..3053, 8419..8586, 8695..9333, 10692..10779, 10879..10987, 11504..11696, 12016..12062		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76751	Strand	-
Start	1432	End	12855
Name	OJ990428_03.9C10.C31.o2.gp	Method	AAT/GAP
Start	1728	End	2057
GI	LIB3475-008-P1-K1-D3	Score	625
Exons	1728..2057		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76751	Strand	-
Start	1432	End	12855
Name	OJ990428_03.9C10.C31.o3.gp	Method	AAT/GAP
Start	2101	End	2346
GI	2310440	Score	427
Exons	2101..2346		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76751	Strand	-
Start	1432	End	12855

Name	OJ990428_03.9C10.C31.o2.np	Method	AAT/NAP
Start	7874	End	12855
GI	4581110	Score	119
Exons	7874..8144, 12800..12855		
GI Descrip.	(AC005825) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76752	Strand	-
Start	19452	End	20612
Name	OJ990428_03.9C10.C31.o1.tm	Method	TBLASTX:Maize
Start	1210	End	1540
GI	none	Score	124
Exons	1210..1317, 1212..1319, 1213..1317, 1315..1512, 1334..1489, 1334..1540, 1440..1511		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76752	Strand	-
Start	19452	End	20612
Name	OJ990428_03.9C10.C31.o2.tm	Method	TBLASTX:Maize
Start	7865	End	8076
GI	none	Score	43
Exons	7865..7987, 7893..7982, 7985..8071, 7987..8076		

Seq. No.	37414	Seq. ID	OJ990428_03.9C10.C31
Gene No.	76752	Strand	-
Start	19452	End	20612
Name	OJ990428_03.9C10.C31.o5.gs	Method	GENSCAN
Start	19452	End	20612
GI	none	Score	.74
Exons	19452..19550, 20562..20612		

Seq. No.	37415	Seq. ID	OJ990428_03.9C10.C32
Gene No.	76753	Strand	+
Start	139	End	936
Name	OJ990428_03.9C10.C32.o1.gs	Method	GENSCAN
Start	139	End	936
GI	none	Score	.8
Exons	139..254, 538..681, 687..936		

Seq. No.	37416	Seq. ID	OJ990428_03.9C10.C33
Gene No.	76754	Strand	-
Start	1	End	522
Name	OJ990428_03.9C10.C33.o1.np	Method	AAT/NAP
Start	1	End	522
GI	3645898	Score	256
Exons	1..522		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	37416	Seq. ID	OJ990428_03.9C10.C33
Gene No.	76754	Strand	-
Start	1	End	522
Name	OJ990428_03.9C10.C33.o1.gs	Method	GENSCAN
Start	89	End	428
GI	none	Score	.68
Exons	89..428		

Seq. No.	37416	Seq. ID	OJ990428_03.9C10.C33
Gene No.	76754	Strand	-
Start	1	End	522
Name	OJ990428_03.9C10.C33.o1.tm	Method	TBLASTX:Maize
Start	210	End	521
GI	none	Score	78
Exons	210..521, 351..521		

Seq. No.	37417	Seq. ID	OJ990428_03.9C10.C35
Gene No.	76755	Strand	+
Start	1	End	202
Name	OJ990428_03.9C10.C35.o1.np	Method	AAT/NAP
Start	1	End	202
GI	6721559	Score	124
Exons	1..202		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	37417	Seq. ID	OJ990428_03.9C10.C35
Gene No.	76756	Strand	-
Start	41	End	158
Name	OJ990428_03.9C10.C35.o1.gs	Method	GENSCAN
Start	41	End	158
GI	none	Score	.52
Exons	41..158		

Seq. No.	37418	Seq. ID	OJ990428_03.9C10.C36
Gene No.	76757	Strand	+
Start	623	End	689
Name	OJ990428_03.9C10.C36.o1.gs	Method	GENSCAN
Start	623	End	689
GI	none	Score	.63
Exons	623..689		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76758	Strand	+
Start	1	End	2107
Name	OJ990428_03.9C10.C37.o1.np	Method	AAT/NAP
Start	1	End	2107
GI	5042463	Score	124
Exons	1..64, 404..551, 1445..1624, 1677..1779, 2049..2107		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76759	Strand	+
Start	7131	End	9801
Name	OJ990428_03.9C10.C37.o3.gs	Method	GENSCAN
Start	7131	End	9801
GI	none	Score	.58
Exons	7131..7262, 8042..8083, 8883..9007, 9369..9560, 9609..9801		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76760	Strand	-
Start	5097	End	5275
Name	OJ990428_03.9C10.C37.o2.gp	Method	AAT/GAP

Start	5097	End	5275
GI	LIB3433-038-P1-K1-D1	Score	330
Exons	5097..5275		
GI Descrip.	'2529685 2.0e-17 (AC002535) putative dimethyladenosine transferase [Arabidopsis thaliana]'		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o3.tm	Method	TBLASTX:Maize
Start	2023	End	2358
GI	none	Score	89
Exons	2023..2103, 2131..2187, 2230..2358		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o2.tm	Method	TBLASTX:Maize
Start	5342	End	5733
GI	none	Score	199
Exons	5342..5476, 5343..5522, 5346..5477, 5347..5493, 5534..5731, 5566..5733, 5577..5732, 5578..5733		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o2.np	Method	AAT/NAP
Start	5345	End	10439
GI	2529685	Score	1111
Exons	5345..6097, 10101..10439		
GI Descrip.	(AC002535) putative dimethyladenosine transferase [Arabidopsis thaliana]		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o1.ts	Method	TBLASTX:Soybean
Start	5633	End	6089
GI	none	Score	115
Exons	5633..6088, 5646..6089, 5647..5850, 5652..6089		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o1.tm	Method	TBLASTX:Maize
Start	5915	End	10458
GI	none	Score	285
Exons	5915..6097, 5916..6104, 5916..6098, 10098..10361, 10099..10164, 10101..10346, 10234..10347, 10407..10457, 10414..10458		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o4.gs	Method	GENSCAN
Start	10018	End	10439
GI	none	Score	.77
Exons	10018..10053, 10101..10439		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o1.tc	Method	TBLASTX:Cress
Start	10098	End	10442
GI	none	Score	61
Exons	10098..10184, 10098..10190, 10182..10355, 10234..10347, 10410..10442		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o2.ts	Method	TBLASTX:Soybean
Start	10119	End	10355
GI	none	Score	74
Exons	10119..10184, 10119..10190, 10182..10343, 10182..10355, 10234..10347		

Seq. No.	37419	Seq. ID	OJ990428_03.9C10.C37
Gene No.	76761	Strand	-
Start	5345	End	10506
Name	OJ990428_03.9C10.C37.o3.gp	Method	AAT/GAP
Start	10205	End	10506
GI	5005485	Score	579
Exons	10205..10506		
GI Descrip.	2529685 2.0e-17 (AC002535) putative dimethyladenosine transferase [Arabidopsis thaliana]		

Seq. No.	37420	Seq. ID	OJ990428_03.9C10.C38
Gene No.	76762	Strand	-
Start	1074	End	1127
Name	OJ990428_03.9C10.C38.o1.gs	Method	GENSCAN
Start	1074	End	1127
GI	none	Score	.61
Exons	1074..1127		

Seq. No.	37421	Seq. ID	OJ990428_03.9C10.C39
Gene No.	76763	Strand	+
Start	2164	End	2665
Name	OJ990428_03.9C10.C39.o1.gs	Method	GENSCAN
Start	2164	End	2665
GI	none	Score	.9
Exons	2164..2185, 2508..2665		

Seq. No.	37422	Seq. ID	OJ990428_03.9C10.C40
Gene No.	76764	Strand	+
Start	1857	End	3574
Name	OJ990428_03.9C10.C40.o1.gp	Method	AAT/GAP
Start	1857	End	3574
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	1857..1924, 2305..2335, 3536..3574		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	37422	Seq. ID	OJ990428_03.9C10.C40

Gene No.	76764	Strand	+
Start	1857	End	3574
Name	OJ990428_03.9C10.C40.o2.gs	Method	GENSCAN
Start	3301	End	3530
GI	none	Score	.65
Exons	3301..3530		

Seq. No.	37423	Seq. ID	OJ990428_03.9C10.C41
Gene No.	76765	Strand	+
Start	140	End	817
Name	OJ990428_03.9C10.C41.o1.gs	Method	GENSCAN
Start	140	End	817
GI	none	Score	.61
Exons	140..817		

Seq. No.	37423	Seq. ID	OJ990428_03.9C10.C41
Gene No.	76766	Strand	+
Start	2761	End	4011
Name	OJ990428_03.9C10.C41.o2.gs	Method	GENSCAN
Start	2761	End	4011
GI	none	Score	.56
Exons	2761..4011		

Seq. No.	37423	Seq. ID	OJ990428_03.9C10.C41
Gene No.	76767	Strand	+
Start	5393	End	5867
Name	OJ990428_03.9C10.C41.o1.gp	Method	AAT/GAP
Start	5393	End	5831
GI	36349_1.R1084	Score	649
Exons	5393..5831		
GI Descrip.	'1698774/gb|U70311|CVU70311 1.0e-20 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence'		

Seq. No.	37423	Seq. ID	OJ990428_03.9C10.C41
Gene No.	76767	Strand	+
Start	5393	End	5867
Name	OJ990428_03.9C10.C41.o2.gp	Method	AAT/GAP
Start	5393	End	5867
GI	36349_1.R1084	Score	641
Exons	5393..5867		
GI Descrip.	'1698774/gb|U70311|CVU70311 1.0e-20 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence'		

Seq. No.	37423	Seq. ID	OJ990428_03.9C10.C41
Gene No.	76768	Strand	+
Start	6908	End	7022
Name	OJ990428_03.9C10.C41.o5.gp	Method	AAT/GAP
Start	6908	End	7022
GI	36349_1.R1084	Score	160
Exons	6908..7022		
GI Descrip.	'1698774/gb|U70311|CVU70311 1.0e-20 Filamentous phage display expression cloning vector pZGT5 with murine Ig kappa light chain fragment insert, complete sequence'		

Seq. No.	37423	Seq. ID	OJ990428_03.9C10.C41

Gene No.	76769	Strand	-
Start	5584	End	8347
Name	OJ990428_03.9C10.C41.o3.gs	Method	GENSCAN
Start	5584	End	8347
GI	none	Score	.4
Exons	5584..5814, 5914..6033, 6350..6570, 6585..6847, 7119..7237, 8264..8347		

Seq. No.	37423	Seq. ID	OJ990428_03.9C10.C41
Gene No.	76769	Strand	-
Start	5584	End	8347
Name	OJ990428_03.9C10.C41.o3.gp	Method	AAT/GAP
Start	6050	End	6256
GI	4714159	Score	328
Exons	6050..6256		

Seq. No.	37423	Seq. ID	OJ990428_03.9C10.C41
Gene No.	76769	Strand	-
Start	5584	End	8347
Name	OJ990428_03.9C10.C41.o4.gp	Method	AAT/GAP
Start	6358	End	6717
GI	2309731	Score	594
Exons	6358..6717		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76770	Strand	+
Start	310	End	374
Name	OJ990428_03.9C10.C42.o1.gp	Method	AAT/GAP
Start	310	End	374
GI	2312838	Score	78
Exons	310..374		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76771	Strand	+
Start	1030	End	2004
Name	OJ990428_03.9C10.C42.o1.gs	Method	GENSCAN
Start	1030	End	2004
GI	none	Score	.45
Exons	1030..2004		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76772	Strand	+
Start	8017	End	9191
Name	OJ990428_03.9C10.C42.o4.gs	Method	GENSCAN
Start	8017	End	9191
GI	none	Score	.91
Exons	8017..8233, 8959..9191		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76773	Strand	+
Start	15601	End	15913
Name	OJ990428_03.9C10.C42.o6.gs	Method	GENSCAN
Start	15601	End	15913
GI	none	Score	.53
Exons	15601..15913		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76774	Strand	-
Start	2781	End	6967
Name	OJ990428_03.9C10.C42.o2.gs	Method	GENSCAN
Start	2781	End	4711
GI	none	Score	.8
Exons	2781..3652, 3796..4711		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76774	Strand	-
Start	2781	End	6967
Name	OJ990428_03.9C10.C42.o1.np	Method	AAT/NAP
Start	2796	End	6967
GI	4234852	Score	4322
Exons	2796..6967		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76774	Strand	-
Start	2781	End	6967
Name	OJ990428_03.9C10.C42.o3.gs	Method	GENSCAN
Start	5135	End	6952
GI	none	Score	.96
Exons	5135..6952		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o3.tm	Method	TBLASTX:Maize
Start	2835	End	3422
GI	none	Score	129
Exons	2835..3026, 3078..3422, 3115..3300		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o3.tw	Method	TBLASTX:Wheat
Start	2847	End	3314
GI	none	Score	102
Exons	2847..3314, 3016..3270		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o2.ts	Method	TBLASTX:Soybean
Start	2850	End	3422
GI	none	Score	253
Exons	2850..3032, 3030..3422		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o1.tw	Method	TBLASTX:Wheat
Start	3397	End	4187
GI	none	Score	61
Exons	3397..3510, 3408..3719, 3571..3702, 3691..3780, 3710..3856,		

3756..3854, 3833..4168, 3842..4186, 4092..4187

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o2.tm	Method	TBLASTX:Maize
Start	3737	End	4186
GI	none	Score	64
Exons	3737..4186, 3758..4033, 3879..4040		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o1.ts	Method	TBLASTX:Soybean
Start	3857	End	4315
GI	5509260	Score	122
Exons	3857..4315, 3878..4303, 4077..4307		
GI Descrip.	-		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o1.tc	Method	TBLASTX:Cress
Start	3968	End	4228
GI	none	Score	112
Exons	3968..4228, 3987..4226		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o4.ts	Method	TBLASTX:Soybean
Start	4787	End	5158
GI	none	Score	66
Exons	4787..4960, 4964..5158, 4992..5117		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o2.tw	Method	TBLASTX:Wheat
Start	4790	End	5453
GI	none	Score	60
Exons	4790..4888, 4868..5173, 5061..5126, 5213..5452, 5214..5453		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o2.tc	Method	TBLASTX:Cress
Start	4793	End	5173
GI	none	Score	119
Exons	4793..4960, 4973..5173		

Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o4.tm	Method	TBLASTX:Maize
Start	4949	End	5437
GI	none	Score	46

Exons	4949..5023, 4979..5164, 5001..5162, 5213..5437		
Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o3.ts	Method	TBLASTX:Soybean
Start	5160	End	5506
GI	none	Score	127
Exons	5160..5399, 5162..5371, 5405..5506		
Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o1.tm	Method	TBLASTX:Maize
Start	5919	End	6817
GI	none	Score	68
Exons	5919..5993, 6104..6208, 6334..6543, 6341..6580, 6364..6444, 6377..6544, 6384..6581, 6578..6817, 6579..6803		
Seq. No.	37424	Seq. ID	OJ990428_03.9C10.C42
Gene No.	76775	Strand	-
Start	10082	End	10139
Name	OJ990428_03.9C10.C42.o3.gp	Method	AAT/GAP
Start	10082	End	10139
GI	2312838	Score	68
Exons	10082..10139		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76776	Strand	+
Start	7	End	1359
Name	OJ990428_03.9C10.C43.o1.gs	Method	GENSCAN
Start	7	End	1359
GI	none	Score	.94
Exons	7..1359		
Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76777	Strand	+
Start	4425	End	6062
Name	OJ990428_03.9C10.C43.o2.gs	Method	GENSCAN
Start	4425	End	6062
GI	none	Score	.48
Exons	4425..4523, 5862..6062		
Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o2.tw	Method	TBLASTX:Wheat
Start	5379	End	7572
GI	none	Score	252
Exons	5379..5453, 7186..7572		
Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o3.gs	Method	GENSCAN

Start	6547	End	7014
GI	none	Score	.51
Exons	6547..7014		

Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o3.np	Method	AAT/NAP
Start	6627	End	8232
GI	6466937	Score	795
Exons	6627..8022, 8048..8232		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o2.tm	Method	TBLASTX:Maize
Start	6633	End	7154
GI	none	Score	95
Exons	6633..6686, 6706..6795, 6823..7029, 7035..7154		

Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o3.tw	Method	TBLASTX:Wheat
Start	6737	End	7023
GI	none	Score	74
Exons	6737..6958, 6790..7023		

Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o1.tm	Method	TBLASTX:Maize
Start	7195	End	7827
GI	none	Score	336
Exons	7195..7803, 7196..7825, 7199..7825, 7204..7827		

Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o4.gs	Method	GENSCAN
Start	7348	End	8118
GI	none	Score	.42
Exons	7348..7664, 7767..8118		

Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o1.ts	Method	TBLASTX:Soybean
Start	7420	End	7806
GI	none	Score	142
Exons	7420..7806, 7511..7774, 7618..7806		

Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232

Name	OJ990428_03.9C10.C43.o1.tw	Method	TBLASTX:Wheat
Start	7658	End	8065
GI	none	Score	122
Exons	7658..8065, 7660..8055		
Seq. No.	37425	Seq. ID	OJ990428_03.9C10.C43
Gene No.	76778	Strand	-
Start	6547	End	8232
Name	OJ990428_03.9C10.C43.o3.tm	Method	TBLASTX:Maize
Start	7861	End	8179
GI	none	Score	93
Exons	7861..8055, 8087..8179		
Seq. No.	37426	Seq. ID	OJ990428_03.9C10.C44
Gene No.	76779	Strand	-
Start	1	End	1812
Name	OJ990428_03.9C10.C44.o1.np	Method	AAT/NAP
Start	1	End	1812
GI	6466937	Score	497
Exons	1..715, 1748..1812		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	37426	Seq. ID	OJ990428_03.9C10.C44
Gene No.	76779	Strand	-
Start	1	End	1812
Name	OJ990428_03.9C10.C44.o1.tw	Method	TBLASTX:Wheat
Start	171	End	566
GI	none	Score	63
Exons	171..467, 172..300, 411..461, 471..566		
Seq. No.	37426	Seq. ID	OJ990428_03.9C10.C44
Gene No.	76779	Strand	-
Start	1	End	1812
Name	OJ990428_03.9C10.C44.o1.tm	Method	TBLASTX:Maize
Start	267	End	736
GI	none	Score	216
Exons	267..467, 461..736		
Seq. No.	37427	Seq. ID	OJ990428_03.9C10.C45
Gene No.	76780	Strand	+
Start	186	End	739
Name	OJ990428_03.9C10.C45.o1.gs	Method	GENSCAN
Start	186	End	739
GI	none	Score	.46
Exons	186..281, 548..739		
Seq. No.	37428	Seq. ID	OJ990428_03.9C10.C46
Gene No.	76781	Strand	-
Start	480	End	529
Name	OJ990428_03.9C10.C46.o1.gs	Method	GENSCAN
Start	480	End	529
GI	none	Score	.68
Exons	480..529		
Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76782	Strand	+

Start	130	End	1254
Name	OJ990428_03.9C10.C47.o1.gp	Method	AAT/GAP
Start	130	End	446
GI	3409_1.R1084	Score	513
Exons	130..446		
GI Descrip.	'3281868/emb|CAA19764| 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76782	Strand	+
Start	130	End	1254
Name	OJ990428_03.9C10.C47.o1.gs	Method	GENSCAN
Start	277	End	1254
GI	none	Score	.6
Exons	277..471, 1183..1254		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76782	Strand	+
Start	130	End	1254
Name	OJ990428_03.9C10.C47.o2.gp	Method	AAT/GAP
Start	866	End	1182
GI	3409_1.R1084	Score	479
Exons	866..1182		
GI Descrip.	'3281868/emb|CAA19764| 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76783	Strand	-
Start	3766	End	4822
Name	OJ990428_03.9C10.C47.o3.gp	Method	AAT/GAP
Start	3766	End	4822
GI	none	Score	788
Exons	3766..3851, 4190..4350, 4425..4539, 4703..4822		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76784	Strand	-
Start	7758	End	9741
Name	OJ990428_03.9C10.C47.o3.gs	Method	GENSCAN
Start	7758	End	9741
GI	none	Score	.65
Exons	7758..8239, 8366..8482, 8662..9504, 9675..9741		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o4.gs	Method	GENSCAN
Start	10315	End	12818
GI	none	Score	.94
Exons	10315..11671, 11905..12198, 12763..12818		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o1.np	Method	AAT/NAP
Start	10342	End	12827
GI	3645899	Score	2698
Exons	10342..11351, 11460..12827		

GI Descrip. (U68408) 5' end not determined experimentally [Zea mays]

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o2.tm	Method	TBLASTX:Maize
Start	10497	End	10965
GI	none	Score	504
Exons	10497..10961, 10498..10965, 10499..10963		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o1.ts	Method	TBLASTX:Soybean
Start	10625	End	11232
GI	5509260	Score	249
Exons	10625..11008, 10627..11007, 11002..11232, 11014..11232		
GI Descrip.	-		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o2.tw	Method	TBLASTX:Wheat
Start	10639	End	11091
GI	none	Score	239
Exons	10639..10986, 10652..10984, 10987..11016, 11017..11091		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o1.tc	Method	TBLASTX:Cress
Start	10744	End	11025
GI	none	Score	84
Exons	10744..11025, 10763..11020		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o4.tm	Method	TBLASTX:Maize
Start	10966	End	11286
GI	none	Score	221
Exons	10966..11286, 10967..11257, 10969..11259		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o1.tm	Method	TBLASTX:Maize
Start	11577	End	12265
GI	none	Score	473
Exons	11577..12113, 11602..12192, 11615..12193, 12191..12265, 12193..12264		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o2.ts	Method	TBLASTX:Soybean
Start	11623	End	12084

GI	none	Score	93
Exons	11623..11724, 11773..12084, 11894..12064		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o1.tw	Method	TBLASTX:Wheat
Start	11929	End	12501
GI	none	Score	133
Exons	11929..12213, 11930..12217, 12215..12241, 12217..12273, 12253..12501, 12275..12499		

Seq. No.	37429	Seq. ID	OJ990428_03.9C10.C47
Gene No.	76785	Strand	-
Start	10315	End	12827
Name	OJ990428_03.9C10.C47.o3.tm	Method	TBLASTX:Maize
Start	12265	End	12660
GI	none	Score	227
Exons	12265..12537, 12278..12535, 12541..12660, 12542..12658		

Seq. No.	37430	Seq. ID	OJ990428_03.9C10.C48
Gene No.	76786	Strand	-
Start	1	End	240
Name	OJ990428_03.9C10.C48.o1.np	Method	AAT/NAP
Start	1	End	240
GI	3645899	Score	263
Exons	1..240		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	37430	Seq. ID	OJ990428_03.9C10.C48
Gene No.	76787	Strand	-
Start	250	End	421
Name	OJ990428_03.9C10.C48.o1.tm	Method	TBLASTX:Maize
Start	2	End	339
GI	none	Score	143
Exons	2..280, 64..270, 159..275, 286..339, 286..336		

Seq. No.	37430	Seq. ID	OJ990428_03.9C10.C48
Gene No.	76787	Strand	-
Start	250	End	421
Name	OJ990428_03.9C10.C48.o2.np	Method	AAT/NAP
Start	250	End	421
GI	4416301	Score	79
Exons	250..421		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	37431	Seq. ID	OJ990818_05.9C01.C1
Gene No.	76788	Strand	+
Start	1	End	245
Name	OJ990818_05.9C01.C1.o1.np	Method	AAT/NAP
Start	1	End	245
GI	6721512	Score	78
Exons	1..105, 148..245		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+

Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o1.gs	Method	GENSCAN
Start	2668	End	9340
GI	none	Score	.66
Exons	2668..2940, 3239..3288, 4381..4604, 4678..4835, 5530..5707, 5776..5856, 5951..6097, 6187..6828, 9089..9153, 9155..9340		

Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o1.np	Method	AAT/NAP
Start	2686	End	6899
GI	4678362	Score	1186
Exons	2686..2754, 2866..2903, 3845..4071, 4381..4604, 4678..4835, 5530..5755, 6023..6097, 6187..6414, 6475..6616, 6737..6899		
GI Descrip.	(AL049659) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o2.tc	Method	TBLASTX:Cress
Start	2719	End	4051
GI	none	Score	40
Exons	2719..2754, 2854..2907, 2865..2906, 3829..3891, 3846..3920, 3929..4051, 3931..4050		

Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o2.ts	Method	TBLASTX:Soybean
Start	3846	End	4077
GI	none	Score	88
Exons	3846..3917, 3846..3908, 3908..4072, 3922..4077		

Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o2.tm	Method	TBLASTX:Maize
Start	4016	End	5781
GI	none	Score	63
Exons	4016..4075, 4343..4561, 4370..4585, 4384..4566, 4671..4832, 4676..4831, 4932..4973, 5511..5660, 5521..5661, 5749..5781		

Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o1.ts	Method	TBLASTX:Soybean
Start	4366	End	4844
GI	none	Score	280
Exons	4366..4608, 4373..4606, 4671..4844, 4674..4829		

Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o1.tc	Method	TBLASTX:Cress
Start	4384	End	5706
GI	none	Score	267

Exons	4384..4566, 4385..4573, 4671..4832, 4674..4820, 4676..4828, 5535..5663, 5536..5706		
Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o3.ts	Method	TBLASTX:Soybean
Start	6028	End	6344
GI	none	Score	58
Exons	6028..6099, 6186..6344, 6186..6344		
Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	6183	End	6605
GI	none	Score	311
Exons	6183..6605, 6184..6579, 6186..6605		
Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o3.tm	Method	TBLASTX:Maize
Start	6681	End	7325
GI	none	Score	225
Exons	6681..6914, 6743..6910, 6807..6911, 6809..6931, 6967..7002, 6972..7040, 6978..7040, 7149..7187, 7150..7182, 7185..7205, 7236..7325, 7299..7319		
Seq. No.	37432	Seq. ID	OJ990818_05.9C01.C2
Gene No.	76789	Strand	+
Start	2668	End	9352
Name	OJ990818_05.9C01.C2.o1.gp	Method	AAT/GAP
Start	9232	End	9352
GI	LIB3434-049-P1-K1-E10	Score	195
Exons	9232..9352		
GI Descrip.	'4713951/gb|AAD28297.1|AC007293_4 9.0e-10 (AC007293) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	37433	Seq. ID	OJ990818_05.9C01.C3
Gene No.	76790	Strand	+
Start	56	End	199
Name	OJ990818_05.9C01.C3.o1.gs	Method	GENSCAN
Start	56	End	199
GI	none	Score	.97
Exons	56..199		
Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76791	Strand	+
Start	1	End	16363
Name	OJ990818_05.9C01.C4.o3.np	Method	AAT/NAP
Start	1	End	16363
GI	5917666	Score	143
Exons	1..35, 6133..6257, 13045..13195, 16034..16363		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		
Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4

Gene No.	76791	Strand	+
Start	1	End	16363
Name	OJ990818_05.9C01.C4.o1.gs	Method	GENSCAN
Start	546	End	2123
GI	none	Score	.58
Exons	546..672, 1264..1383, 2002..2123		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76791	Strand	+
Start	1	End	16363
Name	OJ990818_05.9C01.C4.o1.gp	Method	AAT/GAP
Start	570	End	674
GI	none	Score	131
Exons	570..674		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76791	Strand	+
Start	1	End	16363
Name	OJ990818_05.9C01.C4.o3.gp	Method	AAT/GAP
Start	3198	End	3720
GI	26173_1.R1084	Score	982
Exons	3198..3720		
GI Descrip.	'4836904/gb|AAD30607.1|AC007369_17 3.0e-26 (AC007369) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76791	Strand	+
Start	1	End	16363
Name	OJ990818_05.9C01.C4.o1.np	Method	AAT/NAP
Start	3270	End	5233
GI	4836904	Score	1193
Exons	3270..4130, 5021..5233		
GI Descrip.	(AC007369) lcl|prt_seq No definition line found [Arabidopsis thaliana] gi|6708183|gb|AAF25832.1|AF191028_1 (AF191028) papain-type cysteine endopeptidase XCP2 [Arabidopsis thaliana]		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76791	Strand	+
Start	1	End	16363
Name	OJ990818_05.9C01.C4.o2.gs	Method	GENSCAN
Start	3270	End	5236
GI	none	Score	.97
Exons	3270..4130, 5021..5236		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76791	Strand	+
Start	1	End	16363
Name	OJ990818_05.9C01.C4.o4.gp	Method	AAT/GAP
Start	3731	End	5527
GI	16092_1.R1084	Score	1702
Exons	3731..4130, 5021..5527		
GI Descrip.	'4836904/gb|AAD30607.1|AC007369_17 2.0e-86 (AC007369) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76791	Strand	+
Start	1	End	16363

Name	OJ990818_05.9C01.C4.o5.gp	Method	AAT/GAP
Start	9412	End	11405
GI	318_1.R1084	Score	1774
Exons	9412..9755, 10706..10772, 10892..11405		
GI Descrip.	'1345881/sp|P49100|CYB5_ORYSA 2.0e-75 CYTOCHROME B5 >gi_1076743_pir__S46307 cytochrome b5 - rice >gi_414705_emb_CAA53366_ (X75670) cytochrome b5 [Oryza sativa]'		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76791	Strand	+
Start	1	End	16363
Name	OJ990818_05.9C01.C4.o2.np	Method	AAT/NAP
Start	9666	End	11145
GI	1345881	Score	655
Exons	9666..9755, 10706..10772, 10892..11145		
GI Descrip.	CYTOCHROME B5 gi|1076743|pir||S46307 cytochrome b5 - rice gi|414705|emb|CAA53366| (X75670) cytochrome b5 [Oryza sativa]		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76792	Strand	-
Start	1855	End	1964
Name	OJ990818_05.9C01.C4.o2.gp	Method	AAT/GAP
Start	1855	End	1964
GI	uC-osf1cyp082b07a1	Score	149
Exons	1855..1964		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76793	Strand	-
Start	5335	End	13009
Name	OJ990818_05.9C01.C4.o3.gs	Method	GENSCAN
Start	5335	End	13009
GI	none	Score	.48
Exons	5335..5355, 6213..6274, 6413..6615, 6919..7085, 7359..7526, 7606..7903, 9539..9695, 9799..10064, 10673..10726, 10883..11288, 11986..12195, 12437..12580, 12955..13009		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o6.tm	Method	TBLASTX:Maize
Start	1093	End	1433
GI	none	Score	34
Exons	1093..1185, 1127..1141, 1148..1183, 1264..1302, 1266..1433, 1289..1426		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o3.tc	Method	TBLASTX:Cress
Start	1151	End	1448
GI	none	Score	52
Exons	1151..1189, 1152..1187, 1201..1290, 1215..1448		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-

Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o4.ts	Method	TBLASTX:Soybean
Start	1266	End	1433
GI	none	Score	194
Exons	1266..1433, 1266..1418, 1289..1426		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	3348	End	5226
GI	none	Score	335
Exons	3348..3656, 3362..3451, 3530..3607, 3686..3883, 3690..3881, 3882..3917, 3884..3916, 3909..3995, 3998..4129, 4005..4130, 5020..5214, 5021..5218, 5025..5225, 5026..5226		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	3351	End	5218
GI	none	Score	323
Exons	3351..3611, 3533..3607, 3677..3955, 3687..3992, 3998..4129, 4002..4130, 5020..5214, 5021..5218		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	3360	End	3968
GI	none	Score	254
Exons	3360..3533, 3362..3454, 3528..3659, 3533..3628, 3672..3968, 3683..3964		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o2.tw	Method	TBLASTX:Wheat
Start	3663	End	3953
GI	none	Score	342
Exons	3663..3953, 3686..3949		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o3.tm	Method	TBLASTX:Maize
Start	4074	End	5235
GI	none	Score	63
Exons	4074..4133, 5005..5214, 5025..5228, 5027..5218, 5032..5235		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o4.tm	Method	TBLASTX:Maize
Start	9408	End	9627
GI	none	Score	207
Exons	9408..9560, 9409..9627, 9409..9624		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	9627	End	11275
GI	none	Score	123
Exons	9627..9755, 9686..9751, 10703..10774, 10705..10776, 10884..11156, 10885..11154, 10893..11165, 11158..11214, 11164..11223, 11258..11275		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	9651	End	11171
GI	none	Score	130
Exons	9651..9755, 9692..9751, 10703..10771, 10703..10759, 10705..10770, 10882..10995, 10884..11147, 10884..11171, 10885..11148		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o2.ts	Method	TBLASTX:Soybean
Start	9666	End	11136
GI	none	Score	97
Exons	9666..9755, 10703..10774, 10705..10773, 10882..10983, 10884..11081, 10885..11103, 11077..11136, 11082..11135		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o2.tc	Method	TBLASTX:Cress
Start	9672	End	11139
GI	none	Score	94
Exons	9672..9755, 10703..10774, 10705..10773, 10884..11138, 10885..11139		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o4.gs	Method	GENSCAN
Start	14010	End	19920
GI	none	Score	.73
Exons	14010..14591, 15025..15239, 16060..16223, 16326..16464, 18582..18654, 18722..19003, 19256..19627, 19709..19920		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o4.np	Method	AAT/NAP
Start	17340	End	20133
GI	3319345	Score	450
Exons	17340..17357, 18718..19627, 19709..19920, 20008..20133		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o3.ts	Method	TBLASTX:Soybean
Start	18809	End	19150
GI	none	Score	86
Exons	18809..18943, 18809..19150, 18831..19073, 19019..19081		

Seq. No.	37434	Seq. ID	OJ990818_05.9C01.C4
Gene No.	76794	Strand	-
Start	14010	End	20133
Name	OJ990818_05.9C01.C4.o5.tm	Method	TBLASTX:Maize
Start	18878	End	19495
GI	none	Score	145
Exons	18878..18988, 19004..19093, 19154..19495		

Seq. No.	37435	Seq. ID	OJ990818_05.9C01.C5
Gene No.	76795	Strand	+
Start	1625	End	1906
Name	OJ990818_05.9C01.C5.o1.gs	Method	GENSCAN
Start	1625	End	1906
GI	none	Score	.76
Exons	1625..1906		

Seq. No.	37435	Seq. ID	OJ990818_05.9C01.C5
Gene No.	76796	Strand	+
Start	3130	End	5966
Name	OJ990818_05.9C01.C5.o3.gs	Method	GENSCAN
Start	3130	End	5966
GI	none	Score	.62
Exons	3130..3187, 3196..3330, 3650..3888, 4373..4405, 4639..4690, 4838..4872, 5190..5249, 5390..5528, 5749..5966		

Seq. No.	37435	Seq. ID	OJ990818_05.9C01.C5
Gene No.	76797	Strand	+
Start	6354	End	7020
Name	OJ990818_05.9C01.C5.o4.gs	Method	GENSCAN
Start	6354	End	7020
GI	none	Score	.7
Exons	6354..6650, 6904..7020		

Seq. No.	37435	Seq. ID	OJ990818_05.9C01.C5
Gene No.	76798	Strand	-
Start	2309	End	2614
Name	OJ990818_05.9C01.C5.o2.gs	Method	GENSCAN
Start	2309	End	2614
GI	none	Score	.94
Exons	2309..2614		

Seq. No.	37436	Seq. ID	OJ990818_05.9C01.C7
Gene No.	76799	Strand	+
Start	692	End	4380
Name	OJ990818_05.9C01.C7.o1.gs	Method	GENSCAN
Start	692	End	4380
GI	none	Score	.49
Exons	692..769, 1146..1218, 1955..2169, 2508..2652, 2863..3067,		

3477..3577, 4292..4380

Seq. No.	37436	Seq. ID	OJ990818_05.9C01.C7
Gene No.	76800	Strand	-
Start	4095	End	4488
Name	OJ990818_05.9C01.C7.o1.gp	Method	AAT/GAP
Start	4095	End	4488
GI	none	Score	695
Exons	4095..4488		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	5107
GI	3980412	Score	1271
Exons	1..242, 879..989, 1082..1294, 1821..1928, 2010..2151, 2546..3686, 4157..4604, 5003..5107		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	3	End	3237
GI	none	Score	264
Exons	3..248, 46..243, 47..265, 50..244, 857..895, 879..1001, 879..992, 881..1027, 1073..1297, 1088..1306, 1089..1295, 1097..1297, 1803..1922, 1815..1901, 1833..1928, 1834..1929, 1998..2147, 2007..2090, 2010..2135, 2010..2138, 2010..2156, 2017..2157, 2018..2152, 2038..2154, 2518..2847, 2548..2739, 2549..2791, 2791..2970, 2842..2940, 2843..2962, 2970..3113, 2980..3114, 2981..3124, 2995..3108, 3109..3159, 3110..3160, 3157..3237, 3160..3204, 3165..3236		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o2.ts	Method	TBLASTX:Soybean
Start	3	End	926
GI	none	Score	80
Exons	3..248, 15..170, 52..243, 879..926		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o2.tc	Method	TBLASTX:Cress
Start	3	End	186
GI	none	Score	94
Exons	3..182, 3..185, 52..186		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	189	End	2153

GI	none	Score	66
Exons	189..248, 879..992, 879..992, 1088..1306, 1089..1295, 1815..1901, 1815..1883, 2007..2096, 2010..2153		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	932	End	3006
GI	none	Score	76
Exons	932..985, 933..992, 933..989, 1088..1189, 1089..1193, 1090..1179, 1196..1306, 1197..1295, 1199..1297, 1815..1928, 1819..1929, 1822..1929, 2007..2159, 2010..2132, 2010..2156, 2015..2152, 2038..2154, 2546..2578, 2548..2652, 2653..2739, 2654..2794, 2839..3006		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o1.gp	Method	AAT/GAP
Start	1130	End	2671
GI	uC-osflcyp175e01b1	Score	966
Exons	1130..1294, 1821..1928, 2010..2151, 2546..2671		
GI Descrip.	'3980412 1.0e-73 (AC004561) pumilio-like protein [Arabidopsis thaliana]'		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o2.gp	Method	AAT/GAP
Start	2997	End	3383
GI	2312759	Score	744
Exons	2997..3383		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o2.tm	Method	TBLASTX:Maize
Start	4231	End	4491
GI	none	Score	63
Exons	4231..4293, 4235..4294, 4297..4491, 4298..4345, 4327..4488		

Seq. No.	37437	Seq. ID	OJ990818_05.9C01.C8
Gene No.	76801	Strand	-
Start	1	End	5107
Name	OJ990818_05.9C01.C8.o3.ts	Method	TBLASTX:Soybean
Start	4369	End	4578
GI	none	Score	70
Exons	4369..4482, 4525..4578		

Seq. No.	37438	Seq. ID	OJ990818_05.9C01.C10
Gene No.	76802	Strand	+
Start	1094	End	1279
Name	OJ990818_05.9C01.C10.o1.gs	Method	GENSCAN
Start	1094	End	1279
GI	none	Score	.82
Exons	1094..1279		

Seq. No.	37438	Seq. ID	OJ990818_05.9C01.C10
Gene No.	76803	Strand	-
Start	1054	End	1280
Name	OJ990818_05.9C01.C10.o1.np	Method	AAT/NAP
Start	1054	End	1280
GI	2118425	Score	208
Exons	1054..1280		
GI Descrip.	subtilisin/chymotrypsin inhibitor - maize gi|475253|emb|CAA55588| (X78988) proteinase inhibitor [Zea mays] gi|475922|emb|CAA49593| (X69972) proteinase inhibitor [Zea mays] gi|559538|emb|CAA57677| (X82187) substilin /chymotrypsin-like inhibitor [Zea mays]		

Seq. No.	37438	Seq. ID	OJ990818_05.9C01.C10
Gene No.	76803	Strand	-
Start	1054	End	1280
Name	OJ990818_05.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	1090	End	1270
GI	none	Score	172
Exons	1090..1239, 1091..1270		

Seq. No.	37438	Seq. ID	OJ990818_05.9C01.C10
Gene No.	76803	Strand	-
Start	1054	End	1280
Name	OJ990818_05.9C01.C10.o1.tw	Method	TBLASTX:Wheat
Start	1090	End	1236
GI	none	Score	159
Exons	1090..1236, 1091..1231		

Seq. No.	37438	Seq. ID	OJ990818_05.9C01.C10
Gene No.	76803	Strand	-
Start	1054	End	1280
Name	OJ990818_05.9C01.C10.o1.ts	Method	TBLASTX:Soybean
Start	1090	End	1275
GI	none	Score	146
Exons	1090..1275, 1091..1240		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76804	Strand	+
Start	5547	End	6765
Name	OJ990818_05.9C01.C11.o1.gp	Method	AAT/GAP
Start	5547	End	5930
GI	2428409	Score	733
Exons	5547..5930		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76804	Strand	+
Start	5547	End	6765
Name	OJ990818_05.9C01.C11.o1.np	Method	AAT/NAP
Start	5673	End	6765
GI	2642154	Score	570
Exons	5673..6765		
GI Descrip.	(AC003000) unknown protein [Arabidopsis thaliana] gi|3790595 (AF079186) RING-H2 finger protein RHC2a [Arabidopsis thaliana]		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11

Gene No.	76805	Strand	+
Start	14917	End	21631
Name	OJ990818_05.9C01.C11.o3.gs	Method	GENSCAN
Start	14917	End	21631
GI	none	Score	.68
Exons	14917..14926, 15902..16266, 16348..16427, 18450..18521, 19671..19753, 19922..20259, 20354..20390, 20513..20642, 21148..21271, 21512..21631		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76805	Strand	+
Start	14917	End	21631
Name	OJ990818_05.9C01.C11.o3.gp	Method	AAT/GAP
Start	19562	End	20135
GI	701156	Score	644
Exons	19562..19754, 19990..20135		
GI Descrip.	3236248 5.0e-14 (AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76805	Strand	+
Start	14917	End	21631
Name	OJ990818_05.9C01.C11.o2.np	Method	AAT/NAP
Start	19668	End	21628
GI	3236248	Score	888
Exons	19668..19753, 19988..20259, 20354..20422, 20563..20664, 20803..20864, 21148..21271, 21512..21628		
GI Descrip.	(AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76806	Strand	+
Start	21639	End	28964
Name	OJ990818_05.9C01.C11.o4.gp	Method	AAT/GAP
Start	21639	End	28964
GI	3768619	Score	797
Exons	21639..21697, 28589..28964		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76807	Strand	-
Start	7853	End	10401
Name	OJ990818_05.9C01.C11.o2.gs	Method	GENSCAN
Start	7853	End	10190
GI	none	Score	.6
Exons	7853..8110, 8388..8672, 9146..9315, 9516..9837, 9903..10022, 10131..10190		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76807	Strand	-
Start	7853	End	10401
Name	OJ990818_05.9C01.C11.o2.gp	Method	AAT/GAP
Start	9650	End	10401
GI	3740_1.R1084	Score	1454
Exons	9650..10401		
GI Descrip.	'3236248 5.0e-14 (AC004684) unknown protein [Arabidopsis thaliana]'		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11

Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o2.tc	Method	TBLASTX:Cress
Start	5688	End	6553
GI	none	Score	66
Exons	5688..5765, 5745..5792, 5895..5933, 5982..6128, 6005..6106, 6142..6354, 6143..6355, 6367..6516, 6368..6517, 6521..6553		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o2.ts	Method	TBLASTX:Soybean
Start	5688	End	6436
GI	none	Score	65
Exons	5688..5756, 5697..5792, 5895..5933, 5979..6125, 6008..6124, 6142..6393, 6143..6397, 6374..6436		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o2.tm	Method	TBLASTX:Maize
Start	6023	End	6397
GI	none	Score	140
Exons	6023..6112, 6024..6128, 6142..6393, 6143..6397		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o6.tm	Method	TBLASTX:Maize
Start	6398	End	6742
GI	none	Score	172
Exons	6398..6544, 6412..6567, 6524..6631, 6698..6742		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o5.ts	Method	TBLASTX:Soybean
Start	9899	End	10121
GI	none	Score	259
Exons	9899..10111, 9900..10121		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o4.tc	Method	TBLASTX:Cress
Start	9900	End	10178
GI	none	Score	288
Exons	9900..10178, 9944..10108		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o5.tm	Method	TBLASTX:Maize
Start	9950	End	10112
GI	none	Score	250
Exons	9950..10111, 9951..10112		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o3.ts	Method	TBLASTX:Soybean
Start	19719	End	21669
GI	none	Score	102
Exons	19719..19760, 19976..20260, 19976..20260, 19984..20262, 19986..20261, 20342..20401, 20342..20386, 20353..20394, 20557..20670, 20562..20675, 20794..20865, 20802..20864, 20848..20874, 21145..21264, 21146..21271, 21506..21631, 21521..21628, 21550..21669		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o3.tc	Method	TBLASTX:Cress
Start	19984	End	21631
GI	none	Score	369
Exons	19984..20262, 19986..20261, 20342..20401, 20353..20394, 20534..20665, 20557..20670, 20565..20675, 20793..20864, 20794..20865, 21145..21264, 21146..21271, 21150..21275, 21506..21631, 21550..21630		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o3.tm	Method	TBLASTX:Maize
Start	19984	End	21631
GI	none	Score	389
Exons	19984..20262, 19985..20113, 19986..20261, 20342..20401, 20342..20395, 20557..20670, 20565..20669, 20794..20865, 21145..21264, 21146..21271, 21501..21572, 21506..21631, 21550..21624		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o4.gs	Method	GENSCAN
Start	22190	End	24079
GI	none	Score	.97
Exons	22190..24079		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o3.np	Method	AAT/NAP
Start	22196	End	28076
GI	3461846	Score	1952
Exons	22196..23357, 23391..23628, 23656..24147, 25958..27473, 27503..28076		
GI Descrip.	(AC005315) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o1.tm	Method	TBLASTX:Maize

Start	22202	End	26846
GI	none	Score	49
Exons	22202..22300, 22203..22247, 22307..23098, 22328..23107, 22381..23103, 25969..26127, 25979..26026, 25984..26091, 26110..26388, 26121..26774, 26136..26774, 26449..26775, 26790..26846		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o1.tw	Method	TBLASTX:Wheat
Start	22202	End	26225
GI	none	Score	62
Exons	22202..22444, 22203..22247, 22262..22444, 22317..22445, 25966..26070, 25976..26026, 26098..26223, 26110..26199, 26130..26225		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	22205	End	26651
GI	none	Score	206
Exons	22205..22300, 22316..22870, 22331..22867, 22344..22868, 25978..26130, 26116..26379, 26130..26651, 26130..26651		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o1.tc	Method	TBLASTX:Cress
Start	22388	End	26948
GI	none	Score	275
Exons	22388..22921, 22389..22934, 22910..23161, 22932..23162, 26169..26696, 26175..26684, 26691..26771, 26713..26757, 26802..26948, 26806..26892		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o2.tw	Method	TBLASTX:Wheat
Start	22538	End	26720
GI	none	Score	192
Exons	22538..22939, 26319..26720		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o4.ts	Method	TBLASTX:Soybean
Start	22871	End	27104
GI	none	Score	65
Exons	22871..23020, 22878..23060, 22880..23317, 26661..26828, 26790..27104		

Seq. No.	37439	Seq. ID	OJ990818_05.9C01.C11
Gene No.	76808	Strand	-
Start	22190	End	28076
Name	OJ990818_05.9C01.C11.o4.tm	Method	TBLASTX:Maize

Start	23132	End	27344
GI	none	Score	158
Exons	23132..23371, 23139..23327, 26919..27137, 26919..27227, 26929..27216, 27252..27344		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76809	Strand	+
Start	1	End	14711
Name	OJ990818_05.9C01.C12.o1.np	Method	AAT/NAP
Start	1	End	104
GI	6721543	Score	127
Exons	1..104		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76809	Strand	+
Start	1	End	14711
Name	OJ990818_05.9C01.C12.o3.np	Method	AAT/NAP
Start	1	End	10745
GI	1076802	Score	117
Exons	1..36, 3485..3677, 9470..9642, 10535..10745		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76809	Strand	+
Start	1	End	14711
Name	OJ990818_05.9C01.C12.o1.gs	Method	GENSCAN
Start	101	End	850
GI	none	Score	.72
Exons	101..218, 261..370, 737..850		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76809	Strand	+
Start	1	End	14711
Name	OJ990818_05.9C01.C12.o2.np	Method	AAT/NAP
Start	116	End	5992
GI	5441880	Score	1425
Exons	116..364, 1070..1831, 5932..5992		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76809	Strand	+
Start	1	End	14711
Name	OJ990818_05.9C01.C12.o2.gp	Method	AAT/GAP
Start	10629	End	11970
GI	none	Score	861
Exons	10629..10773, 11458..11631, 11726..11834, 11926..11970		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76809	Strand	+
Start	1	End	14711
Name	OJ990818_05.9C01.C12.o4.gs	Method	GENSCAN
Start	11603	End	14455

GI	none	Score	.6
Exons	11603..11631, 11726..11834, 12269..12373, 12727..12810, 12945..13060, 13154..13255, 13344..13457, 13749..13815, 13904..13957, 14045..14119, 14342..14455		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76809	Strand	+
Start	1	End	14711
Name	OJ990818_05.9C01.C12.o4.np	Method	AAT/NAP
Start	11691	End	14440
GI	4850384	Score	1006
Exons	11691..11834, 12269..12373, 12727..12810, 12945..13060, 13154..13255, 13344..13457, 13579..13653, 13707..13815, 13904..13957, 14045..14119, 14220..14255, 14342..14440		
GI Descrip.	(AC007357) F3F19.3 [Arabidopsis thaliana]		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76809	Strand	+
Start	1	End	14711
Name	OJ990818_05.9C01.C12.o3.gp	Method	AAT/GAP
Start	14347	End	14711
GI	none	Score	684
Exons	14347..14711		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76810	Strand	-
Start	1985	End	10484
Name	OJ990818_05.9C01.C12.o2.tm	Method	TBLASTX:Maize
Start	1387	End	1961
GI	none	Score	246
Exons	1387..1443, 1545..1844, 1562..1783, 1626..1823, 1899..1961		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76810	Strand	-
Start	1985	End	10484
Name	OJ990818_05.9C01.C12.o1.tw	Method	TBLASTX:Wheat
Start	1680	End	1961
GI	none	Score	190
Exons	1680..1883, 1680..1871, 1881..1961, 1895..1960		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76810	Strand	-
Start	1985	End	10484
Name	OJ990818_05.9C01.C12.o3.gs	Method	GENSCAN
Start	1985	End	10484
GI	none	Score	.56
Exons	1985..2093, 2170..2274, 8269..8381, 8616..8650, 9283..9393, 10175..10484		

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76811	Strand	
Start	11739	End	14458
Name	OJ990818_05.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	11739	End	14458
GI	none	Score	48
Exons	11739..11837, 11741..11836, 11917..12057, 11925..12050, 12226..12375, 12260..12373, 12726..12809, 12727..12810,		

12933..13061, 12935..13060, 12942..13061, 12967..13062,
13142..13258, 13143..13262, 13155..13259, 13338..13457,
13339..13458, 13346..13462, 13538..13648, 13576..13647,
13747..13815, 13750..13809, 13751..13816, 13752..13814,
13898..13957, 13903..13956, 13936..13962, 14042..14119,
14044..14124, 14044..14118, 14217..14261, 14218..14262,
14219..14263, 14219..14272, 14341..14451, 14342..14458

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76811	Strand	
Start	11739	End	14458
Name	OJ990818_05.9C01.C12.o1.ts	Method	TBLASTX:Soybean
Start	12263	End	14448
GI	none	Score	145

Exons 12263..12373, 12274..12375, 12726..12809, 12726..12809,
12727..12810, 12933..13061, 12944..13060, 13134..13259,
13142..13258, 13153..13260, 13338..13451, 13339..13458,
13345..13455, 13346..13465, 13538..13648, 13573..13647,
13580..13648, 13731..13814, 13747..13815, 13750..13809,
13752..13814, 13898..13957, 13903..13956, 14042..14119,
14044..14121, 14044..14115, 14341..14448, 14342..14446

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76811	Strand	
Start	11739	End	14458
Name	OJ990818_05.9C01.C12.o1.tc	Method	TBLASTX:Cress
Start	12950	End	13380
GI	none	Score	136

Exons 12950..13060, 12954..13061, 13152..13259, 13155..13259,
13339..13380

Seq. No.	37440	Seq. ID	OJ990818_05.9C01.C12
Gene No.	76811	Strand	
Start	11739	End	14458
Name	OJ990818_05.9C01.C12.o2.tc	Method	TBLASTX:Cress
Start	13767	End	14410
GI	none	Score	56

Exons 13767..13814, 13768..13815, 13898..13957, 13903..13956,
14042..14119, 14044..14112, 14341..14409, 14342..14410

Seq. No.	37441	Seq. ID	OJ990818_05.9C01.C13
Gene No.	76812	Strand	+
Start	97	End	3386
Name	OJ990818_05.9C01.C13.o1.gp	Method	AAT/GAP
Start	97	End	397
GI	2427556	Score	531

Exons 97..397

Seq. No.	37441	Seq. ID	OJ990818_05.9C01.C13
Gene No.	76812	Strand	+
Start	97	End	3386
Name	OJ990818_05.9C01.C13.o1.gs	Method	GENSCAN
Start	135	End	3386
GI	none	Score	.67

Exons 135..1045, 1543..1598, 1908..2031, 2368..2418, 2972..3088,
3207..3290, 3368..3386

Seq. No.	37441	Seq. ID	OJ990818_05.9C01.C13
Gene No.	76812	Strand	+
Start	97	End	3386
Name	OJ990818_05.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	240	End	866
GI	none	Score	115
Exons	240..320, 285..629, 295..321, 404..481, 462..497, 547..594, 551..628, 681..866, 747..809, 770..865		

Seq. No.	37441	Seq. ID	OJ990818_05.9C01.C13
Gene No.	76812	Strand	+
Start	97	End	3386
Name	OJ990818_05.9C01.C13.o2.tm	Method	TBLASTX:Maize
Start	882	End	3327
GI	none	Score	117
Exons	882..986, 882..980, 1541..1600, 1542..1601, 1663..1767, 1678..1779, 1936..2031, 1937..2032, 1950..2033, 1954..2034, 2364..2480, 2368..2481, 2368..2478, 2370..2480, 2968..3087, 2976..3089, 2978..3112, 2978..3088, 3204..3296, 3204..3299, 3205..3327, 3206..3301		

Seq. No.	37441	Seq. ID	OJ990818_05.9C01.C13
Gene No.	76812	Strand	+
Start	97	End	3386
Name	OJ990818_05.9C01.C13.o1.np	Method	AAT/NAP
Start	1491	End	3379
GI	5739402	Score	255
Exons	1491..1583, 1645..1763, 1953..2031, 2368..2478, 2979..3075, 3200..3379		
GI Descrip.	(AF169967) TruB [Flavobacterium johnsoniae]		

Seq. No.	37441	Seq. ID	OJ990818_05.9C01.C13
Gene No.	76812	Strand	+
Start	97	End	3386
Name	OJ990818_05.9C01.C13.o1.tc	Method	TBLASTX:Cress
Start	2374	End	3264
GI	none	Score	43
Exons	2374..2400, 2415..2480, 2416..2475, 2977..3087, 2978..3088, 2979..3089, 3204..3263, 3204..3263, 3205..3264		

Seq. No.	37441	Seq. ID	OJ990818_05.9C01.C13
Gene No.	76812	Strand	+
Start	97	End	3386
Name	OJ990818_05.9C01.C13.o1.ts	Method	TBLASTX:Soybean
Start	3006	End	3327
GI	none	Score	122
Exons	3006..3089, 3008..3088, 3204..3296, 3205..3327		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76813	Strand	+
Start	6168	End	6655
Name	OJ990818_05.9C01.C14.o2.gp	Method	AAT/GAP
Start	6168	End	6655
GI	23206_1.R1084	Score	901
Exons	6168..6655		
GI Descrip.	'2826882/emb|CAA11524.1| 9.0e-47 (AJ223634) transcription factor IIA small subunit [Arabidopsis thaliana]		

>gi_5051786_emb_CAB45079.1_ (AL078637) transcription factor IIA small subunit [Arabidopsis thaliana]'

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76814	Strand	-
Start	211	End	237
Name	OJ990818_05.9C01.C14.o1.gs	Method	GENSCAN
Start	211	End	237
GI	none	Score	.88
Exons	211..237		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76815	Strand	-
Start	866	End	3035
Name	OJ990818_05.9C01.C14.o2.gs	Method	GENSCAN
Start	866	End	2908
GI	none	Score	.99
Exons	866..971, 1079..1176, 1482..1559, 1971..2083, 2148..2166, 2843..2908		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76815	Strand	-
Start	866	End	3035
Name	OJ990818_05.9C01.C14.o1.gp	Method	AAT/GAP
Start	1132	End	3035
GI	11753_1.R1084	Score	1092
Exons	1132..1323, 1482..1559, 1971..2083, 2843..3035		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76816	Strand	-
Start	5268	End	7062
Name	OJ990818_05.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	1215	End	2087
GI	none	Score	63
Exons	1215..1253, 1463..1558, 1464..1559, 1465..1560, 1968..2087, 1969..2064, 1970..2077		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76816	Strand	-
Start	5268	End	7062
Name	OJ990818_05.9C01.C14.o3.gs	Method	GENSCAN
Start	5268	End	6646
GI	none	Score	.75
Exons	5268..5330, 6548..6646		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76816	Strand	-
Start	5268	End	7062
Name	OJ990818_05.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	6490	End	6669
GI	none	Score	175
Exons	6490..6648, 6506..6649, 6507..6647, 6613..6669		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76816	Strand	-

Start	5268	End	7062
Name	OJ990818_05.9C01.C14.o1.tc	Method	TBLASTX:Cress
Start	6494	End	6649
GI	none	Score	128
Exons	6494..6649, 6495..6647, 6509..6649		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76816	Strand	-
Start	5268	End	7062
Name	OJ990818_05.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	6506	End	6656
GI	none	Score	123
Exons	6506..6649, 6507..6647, 6507..6656		

Seq. No.	37442	Seq. ID	OJ990818_05.9C01.C14
Gene No.	76816	Strand	-
Start	5268	End	7062
Name	OJ990818_05.9C01.C14.o2.np	Method	AAT/NAP
Start	6509	End	7062
GI	2826882	Score	165
Exons	6509..6650, 7023..7062		

GI Descrip. (AJ223634) transcription factor IIA small subunit [Arabidopsis thaliana] gi|5051786|emb|CAB45079.1| (AL078637) transcription factor IIA small subunit [Arabidopsis thaliana]

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76817	Strand	+
Start	298	End	609
Name	OJ990818_05.9C01.C15.o1.gs	Method	GENSCAN
Start	298	End	609
GI	none	Score	.72
Exons	298..609		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76818	Strand	+
Start	8420	End	15047
Name	OJ990818_05.9C01.C15.o2.np	Method	AAT/NAP
Start	8420	End	15047
GI	4490736	Score	2146
Exons	8420..8481, 8602..8884, 9154..9378, 10432..10629, 10820..11274, 12265..12403, 12478..12556, 13393..13610, 13683..14002, 14086..14211, 14287..14449, 14861..15047		

GI Descrip. (AL035708) putative protein [Arabidopsis thaliana]

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76818	Strand	+
Start	8420	End	15047
Name	OJ990818_05.9C01.C15.o3.gs	Method	GENSCAN
Start	8738	End	14449
GI	none	Score	.84
Exons	8738..8884, 9154..9378, 10432..10629, 10877..11274, 12265..12403, 12478..12556, 13351..13589, 13698..13981, 14086..14191, 14285..14449		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76819	Strand	-
Start	869	End	8526

Name	OJ990818_05.9C01.C15.o2.gs	Method	GENSCAN
Start	869	End	8526
GI	none	Score	.54
Exons	869..1078, 3424..3567, 4703..4831, 5071..5189, 6181..6258, 8163..8526		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76819	Strand	-
Start	869	End	8526
Name	OJ990818_05.9C01.C15.o2.tm	Method	TBLASTX:Maize
Start	1801	End	2256
GI	none	Score	45
Exons	1801..1926, 1911..2189, 1958..2197, 2051..2224, 2209..2256		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76819	Strand	-
Start	869	End	8526
Name	OJ990818_05.9C01.C15.o2.tw	Method	TBLASTX:Wheat
Start	1967	End	2319
GI	none	Score	75
Exons	1967..2167, 2040..2174, 2233..2319		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76819	Strand	-
Start	869	End	8526
Name	OJ990818_05.9C01.C15.o1.np	Method	AAT/NAP
Start	2347	End	3552
GI	2826882	Score	212
Exons	2347..2481, 3279..3329, 3424..3552		
GI Descrip.	(AJ223634) transcription factor IIA small subunit [Arabidopsis thaliana] gi|5051786|emb|CAB45079.1| (AL078637) transcription factor IIA small subunit [Arabidopsis thaliana]		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76819	Strand	-
Start	869	End	8526
Name	OJ990818_05.9C01.C15.o3.tm	Method	TBLASTX:Maize
Start	3277	End	3558
GI	none	Score	57
Exons	3277..3330, 3279..3335, 3279..3335, 3280..3339, 3415..3552, 3416..3553, 3424..3558, 3431..3556		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76819	Strand	-
Start	869	End	8526
Name	OJ990818_05.9C01.C15.o1.gp	Method	AAT/GAP
Start	3279	End	3913
GI	23206_2.R1084	Score	733
Exons	3279..3329, 3424..3664, 3798..3913		
GI Descrip.	'2833374/sp|Q39236|T2AG_ARATH 2.0e-26 TRANSCRIPTION INITIATION FACTOR IIA GAMMA CHAIN (TFIIA-GAMMA) >gi_1429228_emb_CAA67369_ (X98862) putative small subunit [Arabidopsis thaliana]'		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76819	Strand	-
Start	869	End	8526
Name	OJ990818_05.9C01.C15.o2.tc	Method	TBLASTX:Cress

Start	3279	End	3553
GI	none	Score	131
Exons	3279..3335, 3415..3552, 3416..3553		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76819	Strand	-
Start	869	End	8526
Name	OJ990818_05.9C01.C15.o3.ts	Method	TBLASTX:Soybean
Start	3279	End	3567
GI	none	Score	50
Exons	3279..3335, 3280..3339, 3415..3567, 3416..3553		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76820	Strand	
Start	9247	End	10560
Name	OJ990818_05.9C01.C15.o4.ts	Method	TBLASTX:Soybean
Start	9247	End	10560
GI	none	Score	147
Exons	9247..9378, 9249..9374, 9286..9378, 10390..10554, 10429..10560, 10430..10555		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76821	Strand	
Start	10823	End	11275
Name	OJ990818_05.9C01.C15.o4.tm	Method	TBLASTX:Maize
Start	10823	End	11083
GI	none	Score	220
Exons	10823..11083		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76821	Strand	
Start	10823	End	11275
Name	OJ990818_05.9C01.C15.o2.ts	Method	TBLASTX:Soybean
Start	10943	End	11275
GI	none	Score	441
Exons	10943..11275, 10945..11274		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76822	Strand	
Start	13334	End	14005
Name	OJ990818_05.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	13334	End	13991
GI	none	Score	122
Exons	13334..13441, 13341..13442, 13460..13537, 13461..13541, 13686..13967, 13748..13936, 13965..13991		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76822	Strand	
Start	13334	End	14005
Name	OJ990818_05.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	13425	End	13952
GI	none	Score	233
Exons	13425..13625, 13430..13591, 13686..13952, 13742..13945		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76822	Strand	
Start	13334	End	14005

Name	OJ990818_05.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	13689	End	14005
GI	none	Score	457
Exons	13689..14003, 13695..14003, 13742..14005, 13750..14004		

Seq. No.	37443	Seq. ID	OJ990818_05.9C01.C15
Gene No.	76822	Strand	
Start	13334	End	14005
Name	OJ990818_05.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	13745	End	13967
GI	none	Score	237
Exons	13745..13936, 13746..13967		

Seq. No.	37444	Seq. ID	OJ990908_09.9C02.C3
Gene No.	76823	Strand	+
Start	131	End	255
Name	OJ990908_09.9C02.C3.o1.gs	Method	GENSCAN
Start	131	End	255
GI	none	Score	.9
Exons	131..255		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76824	Strand	+
Start	576	End	3227
Name	OJ990908_09.9C02.C6.o1.gs	Method	GENSCAN
Start	576	End	3227
GI	none	Score	.67
Exons	576..612, 3013..3227		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76825	Strand	+
Start	3690	End	6458
Name	OJ990908_09.9C02.C6.o1.np	Method	AAT/NAP
Start	3690	End	6458
GI	630791	Score	45
Exons	3690..3808, 4551..4687, 4763..4859, 6436..6458		
GI Descrip.	microfilarial sheath protein - nematode (Brugia pahangi) gi|516355|emb|CAA84597| (Z35445) microfilarial sheath protein [Brugia pahangi]		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76826	Strand	+
Start	10993	End	15558
Name	OJ990908_09.9C02.C6.o4.gs	Method	GENSCAN
Start	10993	End	15558
GI	none	Score	.56
Exons	10993..11068, 13744..13826, 13843..14031, 14265..14392, 14604..14667, 14835..14863, 15079..15253, 15379..15558		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76827	Strand	+
Start	17309	End	18812
Name	OJ990908_09.9C02.C6.o5.gs	Method	GENSCAN
Start	17309	End	18812
GI	none	Score	.74
Exons	17309..17371, 17443..17640, 18202..18318, 18621..18812		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76828	Strand	+
Start	20318	End	23583
Name	OJ990908_09.9C02.C6.o6.gs	Method	GENSCAN
Start	20318	End	23583
GI	none	Score	.72
Exons	20318..20590, 21189..22290, 22616..23583		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76828	Strand	+
Start	20318	End	23583
Name	OJ990908_09.9C02.C6.o3.np	Method	AAT/NAP
Start	21321	End	23388
GI	5441880	Score	1637
Exons	21321..22332, 22778..22809, 23068..23388		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76829	Strand	-
Start	4394	End	5955
Name	OJ990908_09.9C02.C6.o1.gp	Method	AAT/GAP
Start	4009	End	4538
GI	5038559	Score	972
Exons	4009..4538		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76829	Strand	-
Start	4394	End	5955
Name	OJ990908_09.9C02.C6.o2.gs	Method	GENSCAN
Start	4394	End	5809
GI	none	Score	.44
Exons	4394..5809		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76829	Strand	-
Start	4394	End	5955
Name	OJ990908_09.9C02.C6.o2.gp	Method	AAT/GAP
Start	5649	End	5955
GI	uC-osroM202041f04b1	Score	572
Exons	5649..5955		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76830	Strand	-
Start	7636	End	10783
Name	OJ990908_09.9C02.C6.o2.tw	Method	TBLASTX:Wheat
Start	4430	End	4759
GI	none	Score	98
Exons	4430..4672, 4506..4637, 4688..4759		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76830	Strand	-
Start	7636	End	10783
Name	OJ990908_09.9C02.C6.o1.tm	Method	TBLASTX:Maize

Start	4694	End	5108
GI	none	Score	275
Exons	4694..4957, 4695..4958, 4943..5107, 4947..5108		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76830	Strand	-
Start	7636	End	10783
Name	OJ990908_09.9C02.C6.o3.tm	Method	TBLASTX:Maize
Start	5357	End	5618
GI	none	Score	299
Exons	5357..5617, 5360..5602, 5406..5618		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76830	Strand	-
Start	7636	End	10783
Name	OJ990908_09.9C02.C6.o3.gs	Method	GENSCAN
Start	7636	End	9734
GI	none	Score	.53
Exons	7636..8064, 9552..9734		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76830	Strand	-
Start	7636	End	10783
Name	OJ990908_09.9C02.C6.o2.np	Method	AAT/NAP
Start	8072	End	10783
GI	5042463	Score	165
Exons	8072..8177, 8228..8365, 9179..9383, 10357..10527, 10726..10783		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76831	Strand	
Start	21888	End	22560
Name	OJ990908_09.9C02.C6.o2.tm	Method	TBLASTX:Maize
Start	21888	End	22484
GI	none	Score	361
Exons	21888..22355, 21893..22366, 22413..22484		

Seq. No.	37445	Seq. ID	OJ990908_09.9C02.C6
Gene No.	76831	Strand	
Start	21888	End	22560
Name	OJ990908_09.9C02.C6.o1.tw	Method	TBLASTX:Wheat
Start	22182	End	22560
GI	none	Score	191
Exons	22182..22331, 22184..22336, 22185..22361, 22385..22453, 22386..22523, 22408..22536, 22501..22560		

Seq. No.	37446	Seq. ID	OJ990908_09.9C02.C7
Gene No.	76832	Strand	+
Start	8	End	3248
Name	OJ990908_09.9C02.C7.o1.gs	Method	GENSCAN
Start	8	End	2741
GI	none	Score	.42
Exons	8..181, 570..890, 976..1117, 1715..1790, 2654..2741		

Seq. No.	37446	Seq. ID	OJ990908_09.9C02.C7
Gene No.	76832	Strand	+
Start	8	End	3248

Name	OJ990908_09.9C02.C7.o1.gp	Method	AAT/GAP
Start	1253	End	1509
GI	61605_3.R1084	Score	448
Exons	1253..1509		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	37446	Seq. ID	OJ990908_09.9C02.C7
Gene No.	76832	Strand	+
Start	8	End	3248
Name	OJ990908_09.9C02.C7.o1.np	Method	AAT/NAP
Start	1791	End	3248
GI	5852180	Score	332
Exons	1791..1868, 2879..3248		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	37446	Seq. ID	OJ990908_09.9C02.C7
Gene No.	76833	Strand	-
Start	2037	End	2466
Name	OJ990908_09.9C02.C7.o2.gp	Method	AAT/GAP
Start	2037	End	2466
GI	2428185	Score	801
Exons	2037..2466		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	37446	Seq. ID	OJ990908_09.9C02.C7
Gene No.	76834	Strand	-
Start	2484	End	3269
Name	OJ990908_09.9C02.C7.o3.gp	Method	AAT/GAP
Start	2484	End	3218
GI	101153_1.R1084	Score	576
Exons	2484..2712, 3029..3218		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	37446	Seq. ID	OJ990908_09.9C02.C7
Gene No.	76834	Strand	-
Start	2484	End	3269
Name	OJ990908_09.9C02.C7.o2.gs	Method	GENSCAN
Start	2873	End	3269
GI	none	Score	.71
Exons	2873..2882, 3029..3269		

Seq. No.	37447	Seq. ID	OJ990908_09.9C02.C8
Gene No.	76835	Strand	+
Start	159	End	211
Name	OJ990908_09.9C02.C8.o1.gp	Method	AAT/GAP
Start	159	End	211
GI	LIB3431-030-P1-N1-G8	Score	86
Exons	159..211		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	37447	Seq. ID	OJ990908_09.9C02.C8
Gene No.	76836	Strand	-
Start	36	End	125

Name	OJ990908_09.9C02.C8.o1.gs	Method	GENSCAN
Start	36	End	125
GI	none	Score	.5
Exons	36..125		

Seq. No.	37448	Seq. ID	OJ990908_09.9C02.C9
Gene No.	76837	Strand	-
Start	520	End	655
Name	OJ990908_09.9C02.C9.o1.tm	Method	TBLASTX:Maize
Start	497	End	639
GI	none	Score	160
Exons	497..637, 521..637, 522..638, 525..638, 526..639		

Seq. No.	37448	Seq. ID	OJ990908_09.9C02.C9
Gene No.	76837	Strand	-
Start	520	End	655
Name	OJ990908_09.9C02.C9.o1.np	Method	AAT/NAP
Start	520	End	637
GI	3540206	Score	109
Exons	520..637		
GI Descrip.	(AC004260) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37448	Seq. ID	OJ990908_09.9C02.C9
Gene No.	76837	Strand	-
Start	520	End	655
Name	OJ990908_09.9C02.C9.o1.gs	Method	GENSCAN
Start	526	End	655
GI	none	Score	.85
Exons	526..655		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76838	Strand	+
Start	1	End	662
Name	OJ990908_09.9C02.C11.o1.np	Method	AAT/NAP
Start	1	End	662
GI	6006372	Score	146
Exons	1..97, 420..662		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76839	Strand	+
Start	4483	End	12859
Name	OJ990908_09.9C02.C11.o2.gs	Method	GENSCAN
Start	4483	End	10535
GI	none	Score	.7
Exons	4483..5100, 5126..5234, 5748..5781, 6627..6889, 7091..7219, 7818..7876, 8358..8540, 9242..9332, 9855..9898, 10374..10535		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76839	Strand	+
Start	4483	End	12859
Name	OJ990908_09.9C02.C11.o2.np	Method	AAT/NAP
Start	6112	End	12859
GI	5478530	Score	168
Exons	6112..6218, 6995..7045, 7127..7204, 7818..7876, 8358..8540, 9242..9332, 9855..9898, 9981..10079, 12827..12859		
GI Descrip.	(AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76839	Strand	+
Start	4483	End	12859
Name	OJ990908_09.9C02.C11.o1.gp	Method	AAT/GAP
Start	6439	End	7862
GI	4879074	Score	1110
Exons	6439..6551, 6653..6889, 6983..7219, 7833..7862		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76839	Strand	+
Start	4483	End	12859
Name	OJ990908_09.9C02.C11.o2.gp	Method	AAT/GAP
Start	10794	End	11040
GI	3107863	Score	474
Exons	10794..11040		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76840	Strand	+
Start	17305	End	20323
Name	OJ990908_09.9C02.C11.o4.gs	Method	GENSCAN
Start	17305	End	20323
GI	none	Score	.57
Exons	17305..17502, 17566..17665, 18504..18539, 18769..18906, 19108..19316, 19426..19487, 19683..19762, 20082..20323		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76841	Strand	+
Start	21073	End	21937
Name	OJ990908_09.9C02.C11.o4.gp	Method	AAT/GAP
Start	20761	End	21937
GI	LIB3477-011-P1-K1-B2	Score	663
Exons	20761..20866, 20993..21183, 21671..21733, 21824..21937		
GI Descrip.	'2642159 5.0e-54 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76841	Strand	+
Start	21073	End	21937
Name	OJ990908_09.9C02.C11.o5.gs	Method	GENSCAN
Start	21073	End	21733
GI	none	Score	.89
Exons	21073..21183, 21671..21733		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76841	Strand	+
Start	21073	End	21937
Name	OJ990908_09.9C02.C11.o5.np	Method	AAT/NAP
Start	21073	End	21937
GI	2642159	Score	388
Exons	21073..21183, 21671..21733, 21824..21937		
GI Descrip.	(AC003000) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi|3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi|4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76842	Strand	-
Start	11636	End	13066
Name	OJ990908_09.9C02.C11.o3.gp	Method	AAT/GAP
Start	11636	End	13066
GI	uC-osflcyp021g03b1	Score	787
Exons	11636..11805, 12291..12355, 12430..12508, 12690..12764, 13002..13066		
GI Descrip.	'2239179/emb|CAB10099.1| 2.0e-24 (Z97208) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o2.ts	Method	TBLASTX:Soybean
Start	5032	End	6517
GI	none	Score	114
Exons	5032..5163, 5033..5164, 6081..6191, 6082..6156, 6243..6341, 6244..6327, 6410..6517, 6424..6516		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o4.tm	Method	TBLASTX:Maize
Start	6088	End	6475
GI	none	Score	125
Exons	6088..6159, 6090..6161, 6091..6159, 6241..6327, 6241..6333, 6242..6334, 6243..6341, 6405..6470, 6410..6475, 6420..6470, 6424..6474		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o5.tm	Method	TBLASTX:Maize
Start	6705	End	7010
GI	none	Score	270
Exons	6705..6887, 6706..6888, 6966..7010		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o1.ts	Method	TBLASTX:Soybean
Start	6840	End	10205
GI	none	Score	64
Exons	6840..6899, 6841..6888, 6966..7046, 6979..7044, 7054..7107, 7123..7218, 7125..7217, 7832..7876, 8355..8540, 8356..8541, 8357..8539, 8406..8525, 9239..9328, 9845..9901, 9850..9900, 9977..10153, 9978..10103, 10185..10205		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o3.tm	Method	TBLASTX:Maize
Start	7038	End	8531
GI	none	Score	281
Exons	7038..7217, 7039..7248, 7817..7921, 7831..7875, 8354..8530,		

8355..8531, 8357..8530, 8400..8528

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o2.tm	Method	TBLASTX:Maize
Start	9287	End	10220
GI	none	Score	71
Exons	9287..9331, 9837..9890, 9845..9901, 9853..9894, 9915..10109, 9978..10112, 9980..10117, 9998..10123, 10130..10153, 10130..10219, 10179..10220, 10188..10220		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o2.tc	Method	TBLASTX:Cress
Start	9845	End	10118
GI	none	Score	86
Exons	9845..9901, 9850..9900, 9977..10099, 9978..10118		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o7.tm	Method	TBLASTX:Maize
Start	10881	End	11835
GI	none	Score	43
Exons	10881..10952, 10926..10961, 11013..11084, 11074..11133, 11078..11134, 11599..11823, 11600..11803, 11623..11835		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o1.tw	Method	TBLASTX:Wheat
Start	11749	End	13153
GI	none	Score	71
Exons	11749..11793, 11750..11818, 12280..12351, 12280..12354, 12285..12371, 12422..12508, 12431..12508, 12432..12509, 12433..12516, 12436..12510, 12687..12767, 12687..12767, 12689..12787, 12999..13151, 12999..13148, 13000..13152, 13001..13153		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o1.tm	Method	TBLASTX:Maize
Start	12321	End	15166
GI	none	Score	54
Exons	12321..12356, 12324..12371, 12431..12508, 12432..12509, 12687..12767, 12687..12767, 12689..12769, 12998..13171, 12998..13042, 12999..13169, 13000..13311, 13219..13278, 13223..13333, 13299..13400, 13299..13334, 13328..13420, 13336..13395, 13386..13505, 13387..13503, 13388..13510, 13920..13973, 13940..13975, 13963..13998, 14021..14074, 14046..14153, 14065..14151, 14929..14967, 14956..15039, 14968..15030, 15085..15120, 15085..15120, 15124..15165, 15131..15166		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o4.ts	Method	TBLASTX:Soybean
Start	12973	End	13170
GI	none	Score	74
Exons	12973..13056, 12990..13169, 13000..13170, 13096..13170		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o4.np	Method	AAT/NAP
Start	18123	End	21937
GI	6006372	Score	61
Exons	18123..18267, 21907..21937		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o6.tm	Method	TBLASTX:Maize
Start	20954	End	21937
GI	none	Score	217
Exons	20954..21178, 21046..21186, 21069..21179, 21668..21736, 21670..21744, 21823..21936, 21824..21937		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o3.ts	Method	TBLASTX:Soybean
Start	21062	End	21937
GI	none	Score	84
Exons	21062..21190, 21063..21182, 21069..21215, 21070..21186, 21116..21187, 21668..21736, 21670..21735, 21691..21750, 21822..21905, 21823..21936, 21824..21937		

Seq. No.	37449	Seq. ID	OJ990908_09.9C02.C11
Gene No.	76843	Strand	-
Start	18123	End	21937
Name	OJ990908_09.9C02.C11.o1.tc	Method	TBLASTX:Cress
Start	21069	End	21937
GI	none	Score	193
Exons	21069..21176, 21073..21186, 21073..21186, 21074..21187, 21668..21736, 21670..21735, 21821..21925, 21823..21936, 21824..21937		

Seq. No.	37450	Seq. ID	OJ990908_09.9C02.C12
Gene No.	76844	Strand	-
Start	244	End	589
Name	OJ990908_09.9C02.C12.o1.gs	Method	GENSCAN
Start	244	End	589
GI	none	Score	.91
Exons	244..298, 414..589		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76845	Strand	+
Start	660	End	2392

Name	OJ990908_09.9C02.C13.o1.np	Method	AAT/NAP
Start	660	End	2225
GI	1352681	Score	744
Exons	660..1082, 1174..1503, 1629..1734, 1828..1978, 2062..2225		
GI Descrip.	PROTEIN PHOSPHATASE 2C (PP2C) gi|1076391|pir||S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana gi|633028|dbj|BAA07287| (D38109) protein phosphatase 2C [Arabidopsis thaliana] gi|6006880|gb|AAF00655.1|AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76845	Strand	+
Start	660	End	2392
Name	OJ990908_09.9C02.C13.o1.gs	Method	GENSCAN
Start	687	End	2210
GI	none	Score	.84
Exons	687..1082, 1174..1503, 1569..1734, 1828..2210		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76845	Strand	+
Start	660	End	2392
Name	OJ990908_09.9C02.C13.o2.gp	Method	AAT/GAP
Start	982	End	1470
GI	uC-osrocyp034f02a1	Score	745
Exons	982..1082, 1174..1470		
GI Descrip.	'1352681/sp|P49598|P2C4_ARATH 4.0e-17 PROTEIN PHOSPHATASE 2C (PP2C) >gi_1076391_pir__S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana >gi_633028_dbj_BAA07287_ (D38109) protein phosphatase 2C [Arabidopsis thaliana] >gi_6006880_gb_AAF00655.1_AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]'		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76845	Strand	+
Start	660	End	2392
Name	OJ990908_09.9C02.C13.o3.gp	Method	AAT/GAP
Start	1677	End	2392
GI	76129_1.R1084	Score	1149
Exons	1677..1734, 1828..2392		
GI Descrip.	'1352681/sp|P49598|P2C4_ARATH 2.0e-28 PROTEIN PHOSPHATASE 2C (PP2C) >gi_1076391_pir__S55457 phosphoprotein phosphatase (EC 3.1.3.16) 2C - Arabidopsis thaliana >gi_633028_dbj_BAA07287_ (D38109) protein phosphatase 2C [Arabidopsis thaliana] >gi_6006880_gb_AAF00655.1_AC008153_7 (AC008153) protein phosphatase 2C (PP2C) [Arabidopsis thaliana]'		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76846	Strand	+
Start	7556	End	12397
Name	OJ990908_09.9C02.C13.o3.gs	Method	GENSCAN
Start	7556	End	12366
GI	none	Score	.58
Exons	7556..7622, 9612..9682, 10838..10994, 11714..11869, 12188..12366		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76846	Strand	+
Start	7556	End	12397

Name	OJ990908_09.9C02.C13.o2.np	Method	AAT/NAP
Start	10856	End	12397
GI	2642156	Score	231
Exons	10856..10994, 11714..11869, 12188..12397		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76847	Strand	-
Start	702	End	993
Name	OJ990908_09.9C02.C13.o1.gp	Method	AAT/GAP
Start	702	End	993
GI	3762187	Score	531
Exons	702..993		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76848	Strand	-
Start	2487	End	5857
Name	OJ990908_09.9C02.C13.o2.tm	Method	TBLASTX:Maize
Start	650	End	1293
GI	none	Score	35
Exons	650..679, 780..887, 781..882, 785..1084, 835..888, 948..1088, 951..1085, 1173..1292, 1174..1293, 1201..1293		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76848	Strand	-
Start	2487	End	5857
Name	OJ990908_09.9C02.C13.o1.ts	Method	TBLASTX:Soybean
Start	911	End	1975
GI	none	Score	128
Exons	911..1024, 939..1022, 1038..1088, 1040..1084, 1173..1220, 1174..1230, 1318..1365, 1375..1503, 1626..1739, 1626..1730, 1661..1738, 1826..1975, 1827..1961		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76848	Strand	-
Start	2487	End	5857
Name	OJ990908_09.9C02.C13.o1.tc	Method	TBLASTX:Cress
Start	942	End	2201
GI	none	Score	113
Exons	942..1052, 1032..1088, 1046..1084, 1170..1244, 1255..1311, 1375..1503, 1626..1739, 1664..1738, 1826..1978, 1827..1991, 2091..2201, 2105..2143		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76848	Strand	-
Start	2487	End	5857
Name	OJ990908_09.9C02.C13.o1.tm	Method	TBLASTX:Maize
Start	1440	End	2024
GI	none	Score	91
Exons	1440..1502, 1441..1503, 1626..1739, 1626..1787, 1826..1978, 1827..2024, 1900..1986		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76848	Strand	-
Start	2487	End	5857
Name	OJ990908_09.9C02.C13.o1.tw	Method	TBLASTX:Wheat
Start	1440	End	1986

GI	none	Score	100
Exons	1440..1502, 1441..1503, 1603..1731, 1626..1739, 1626..1730, 1661..1738, 1826..1978, 1827..1985, 1827..1979, 1900..1986		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76848	Strand	-
Start	2487	End	5857
Name	OJ990908_09.9C02.C13.o2.gs	Method	GENSCAN
Start	2487	End	5857
GI	none	Score	.56
Exons	2487..2555, 2603..2640, 3076..3260, 4154..4270, 4441..4785, 5808..5857		

Seq. No.	37451	Seq. ID	OJ990908_09.9C02.C13
Gene No.	76849	Strand	
Start	12199	End	12362
Name	OJ990908_09.9C02.C13.o3.tm	Method	TBLASTX:Maize
Start	12199	End	12362
GI	none	Score	202
Exons	12199..12360, 12202..12357, 12204..12362, 12204..12362		

Seq. No.	37452	Seq. ID	OJ990908_09.9C02.C14
Gene No.	76850	Strand	+
Start	133	End	1972
Name	OJ990908_09.9C02.C14.o1.gs	Method	GENSCAN
Start	133	End	1972
GI	none	Score	.74
Exons	133..261, 912..1019, 1114..1207, 1707..1972		

Seq. No.	37452	Seq. ID	OJ990908_09.9C02.C14
Gene No.	76851	Strand	-
Start	2541	End	3601
Name	OJ990908_09.9C02.C14.o1.tm	Method	TBLASTX:Maize
Start	1106	End	1686
GI	none	Score	112
Exons	1106..1264, 1114..1332, 1114..1305, 1471..1542, 1537..1602, 1597..1686		

Seq. No.	37452	Seq. ID	OJ990908_09.9C02.C14
Gene No.	76851	Strand	-
Start	2541	End	3601
Name	OJ990908_09.9C02.C14.o2.gs	Method	GENSCAN
Start	2541	End	3601
GI	none	Score	.68
Exons	2541..2572, 3460..3601		

Seq. No.	37453	Seq. ID	OJ990908_09.9C02.C15
Gene No.	76852	Strand	+
Start	478	End	2089
Name	OJ990908_09.9C02.C15.o1.gs	Method	GENSCAN
Start	478	End	2089
GI	none	Score	.87
Exons	478..640, 1928..2089		

Seq. No.	37453	Seq. ID	OJ990908_09.9C02.C15
Gene No.	76852	Strand	+
Start	478	End	2089

Name	OJ990908_09.9C02.C15.o1.np	Method	AAT/NAP
Start	1794	End	2064
GI	2642156	Score	60
Exons	1794..2064		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37454	Seq. ID	OJ990908_09.9C02.C16
Gene No.	76853	Strand	+
Start	1	End	2183
Name	OJ990908_09.9C02.C16.o1.np	Method	AAT/NAP
Start	1	End	1655
GI	2642156	Score	341
Exons	1..190, 265..360, 452..521, 617..747, 1539..1655		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37454	Seq. ID	OJ990908_09.9C02.C16
Gene No.	76853	Strand	+
Start	1	End	2183
Name	OJ990908_09.9C02.C16.o1.gs	Method	GENSCAN
Start	26	End	2183
GI	none	Score	.98
Exons	26..190, 1327..1434, 1539..1757, 1833..2183		

Seq. No.	37454	Seq. ID	OJ990908_09.9C02.C16
Gene No.	76853	Strand	+
Start	1	End	2183
Name	OJ990908_09.9C02.C16.o1.gp	Method	AAT/GAP
Start	624	End	1882
GI	70939_1.R1084	Score	1055
Exons	624..747, 1327..1434, 1539..1882		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	37454	Seq. ID	OJ990908_09.9C02.C16
Gene No.	76854	Strand	-
Start	2586	End	4896
Name	OJ990908_09.9C02.C16.o1.tm	Method	TBLASTX:Maize
Start	23	End	187
GI	none	Score	246
Exons	23..184, 26..187		

Seq. No.	37454	Seq. ID	OJ990908_09.9C02.C16
Gene No.	76854	Strand	-
Start	2586	End	4896
Name	OJ990908_09.9C02.C16.o2.tm	Method	TBLASTX:Maize
Start	1539	End	2090
GI	none	Score	91
Exons	1539..1655, 1539..1646, 1661..1750, 1665..1745, 1860..1925, 1866..1931, 1901..1969, 1904..1969, 1911..2051, 1974..2090, 1975..2061		

Seq. No.	37454	Seq. ID	OJ990908_09.9C02.C16
Gene No.	76854	Strand	-
Start	2586	End	4896
Name	OJ990908_09.9C02.C16.o2.gs	Method	GENSCAN
Start	2586	End	4896
GI	none	Score	.96

Exons	2586..2684, 2817..2854, 2941..3076, 4467..4534, 4782..4896		
Seq. No.	37455	Seq. ID	OJ990908_09.9C02.C17
Gene No.	76855	Strand	-
Start	47	End	1696
Name	OJ990908_09.9C02.C17.o1.tm	Method	TBLASTX:Maize
Start	38	End	240
GI	none	Score	201
Exons	38..232, 38..229, 39..233, 39..236, 64..240		
Seq. No.	37455	Seq. ID	OJ990908_09.9C02.C17
Gene No.	76855	Strand	-
Start	47	End	1696
Name	OJ990908_09.9C02.C17.o1.ts	Method	TBLASTX:Soybean
Start	38	End	254
GI	none	Score	146
Exons	38..94, 62..253, 63..251, 102..254		
Seq. No.	37455	Seq. ID	OJ990908_09.9C02.C17
Gene No.	76855	Strand	-
Start	47	End	1696
Name	OJ990908_09.9C02.C17.o1.np	Method	AAT/NAP
Start	47	End	1696
GI	2642157	Score	659
Exons	47..251, 526..603, 963..1085, 1484..1696		
GI Descrip.	(AC003000) unknown protein [Arabidopsis thaliana]		
Seq. No.	37455	Seq. ID	OJ990908_09.9C02.C17
Gene No.	76855	Strand	-
Start	47	End	1696
Name	OJ990908_09.9C02.C17.o1.tc	Method	TBLASTX:Cress
Start	50	End	254
GI	none	Score	136
Exons	50..253, 66..254		
Seq. No.	37455	Seq. ID	OJ990908_09.9C02.C17
Gene No.	76855	Strand	-
Start	47	End	1696
Name	OJ990908_09.9C02.C17.o1.gs	Method	GENSCAN
Start	56	End	1626
GI	none	Score	.97
Exons	56..251, 1484..1626		
Seq. No.	37455	Seq. ID	OJ990908_09.9C02.C17
Gene No.	76855	Strand	-
Start	47	End	1696
Name	OJ990908_09.9C02.C17.o2.tc	Method	TBLASTX:Cress
Start	523	End	1675
GI	none	Score	62
Exons	523..609, 525..608, 957..1142, 962..1084, 981..1097, 1481..1627, 1482..1556, 1483..1644, 1495..1647, 1652..1675		
Seq. No.	37455	Seq. ID	OJ990908_09.9C02.C17
Gene No.	76855	Strand	-
Start	47	End	1696
Name	OJ990908_09.9C02.C17.o2.ts	Method	TBLASTX:Soybean
Start	523	End	1644

GI	none	Score	73
Exons	523..609, 525..608, 962..1084, 962..1084, 1481..1621, 1485..1601, 1495..1644, 1496..1624		

Seq. No.	37456	Seq. ID	OJ990908_09.9C02.C18
Gene No.	76856	Strand	-
Start	1	End	1055
Name	OJ990908_09.9C02.C18.o1.np	Method	AAT/NAP
Start	1	End	1055
GI	2642157	Score	316
Exons	1..32, 679..1055		
GI Descrip.	(AC003000) unknown protein [Arabidopsis thaliana]		

Seq. No.	37456	Seq. ID	OJ990908_09.9C02.C18
Gene No.	76856	Strand	-
Start	1	End	1055
Name	OJ990908_09.9C02.C18.o1.gs	Method	GENSCAN
Start	646	End	1005
GI	none	Score	.55
Exons	646..1005		

Seq. No.	37456	Seq. ID	OJ990908_09.9C02.C18
Gene No.	76856	Strand	-
Start	1	End	1055
Name	OJ990908_09.9C02.C18.o1.tm	Method	TBLASTX:Maize
Start	652	End	895
GI	none	Score	248
Exons	652..876, 654..893, 674..895, 676..894, 677..895		

Seq. No.	37457	Seq. ID	OJ990908_09.9C02.C19
Gene No.	76857	Strand	+
Start	1	End	244
Name	OJ990908_09.9C02.C19.o1.gp	Method	AAT/GAP
Start	1	End	244
GI	none	Score	444
Exons	1..244		

Seq. No.	37458	Seq. ID	OJ990908_09.9C02.C20
Gene No.	76858	Strand	-
Start	529	End	5630
Name	OJ990908_09.9C02.C20.o1.gs	Method	GENSCAN
Start	529	End	5154
GI	none	Score	.63
Exons	529..614, 701..771, 997..1004, 1232..1375, 1610..1703, 1809..1901, 2064..2086, 2237..2364, 2590..2686, 2802..3024, 3152..3295, 4115..4434, 4599..5154		

Seq. No.	37458	Seq. ID	OJ990908_09.9C02.C20
Gene No.	76858	Strand	-
Start	529	End	5630
Name	OJ990908_09.9C02.C20.o1.np	Method	AAT/NAP
Start	3797	End	5630
GI	6815072	Score	1131
Exons	3797..5630		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	37458	Seq. ID	OJ990908_09.9C02.C20
Gene No.	76858	Strand	-
Start	529	End	5630
Name	OJ990908_09.9C02.C20.o1.ts	Method	TBLASTX:Soybean
Start	3890	End	4072
GI	none	Score	95
Exons	3890..4072, 3903..4070		

Seq. No.	37458	Seq. ID	OJ990908_09.9C02.C20
Gene No.	76858	Strand	-
Start	529	End	5630
Name	OJ990908_09.9C02.C20.o2.tm	Method	TBLASTX:Maize
Start	3998	End	4318
GI	none	Score	37
Exons	3998..4072, 3999..4073, 4091..4318, 4092..4316		

Seq. No.	37458	Seq. ID	OJ990908_09.9C02.C20
Gene No.	76858	Strand	-
Start	529	End	5630
Name	OJ990908_09.9C02.C20.o1.tm	Method	TBLASTX:Maize
Start	4534	End	4986
GI	none	Score	162
Exons	4534..4590, 4624..4860, 4736..4966, 4894..4986		

Seq. No.	37459	Seq. ID	OJ990908_09.9C02.C21
Gene No.	76859	Strand	-
Start	1	End	2367
Name	OJ990908_09.9C02.C21.o1.np	Method	AAT/NAP
Start	1	End	1899
GI	4585985	Score	980
Exons	1..468, 587..1046, 1278..1899		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	37459	Seq. ID	OJ990908_09.9C02.C21
Gene No.	76859	Strand	-
Start	1	End	2367
Name	OJ990908_09.9C02.C21.o1.gs	Method	GENSCAN
Start	165	End	2367
GI	none	Score	.43
Exons	165..261, 327..468, 587..727, 917..1207, 1241..1571, 1589..1974, 2293..2367		

Seq. No.	37459	Seq. ID	OJ990908_09.9C02.C21
Gene No.	76859	Strand	-
Start	1	End	2367
Name	OJ990908_09.9C02.C21.o2.tm	Method	TBLASTX:Maize
Start	395	End	858
GI	none	Score	77
Exons	395..463, 567..707, 598..723, 711..773, 751..858, 776..841		

Seq. No.	37459	Seq. ID	OJ990908_09.9C02.C21
Gene No.	76859	Strand	-
Start	1	End	2367
Name	OJ990908_09.9C02.C21.o1.tw	Method	TBLASTX:Wheat
Start	723	End	1019
GI	none	Score	96
Exons	723..770, 751..864, 861..1019		

Seq. No.	37459	Seq. ID	OJ990908_09.9C02.C21
Gene No.	76859	Strand	-
Start	1	End	2367
Name	OJ990908_09.9C02.C21.o1.tm	Method	TBLASTX:Maize
Start	861	End	1649
GI	none	Score	93
Exons	861..1103, 1140..1598, 1144..1212, 1602..1649		

Seq. No.	37460	Seq. ID	OJ990908_09.9C02.C23
Gene No.	76860	Strand	+
Start	790	End	1171
Name	OJ990908_09.9C02.C23.o1.gp	Method	AAT/GAP
Start	790	End	1171
GI	uC-osf1cyp033a04b1	Score	667
Exons	790..1171		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	37460	Seq. ID	OJ990908_09.9C02.C23
Gene No.	76861	Strand	-
Start	723	End	1815
Name	OJ990908_09.9C02.C23.o1.np	Method	AAT/NAP
Start	723	End	1815
GI	4680186	Score	383
Exons	723..923, 1762..1815		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	37461	Seq. ID	OJ990908_09.9C02.C24
Gene No.	76862	Strand	-
Start	1161	End	1546
Name	OJ990908_09.9C02.C24.o1.gs	Method	GENSCAN
Start	1161	End	1546
GI	none	Score	.64
Exons	1161..1232, 1451..1546		

Seq. No.	37462	Seq. ID	OJ990818_06.9C10.C1
Gene No.	76863	Strand	+
Start	195	End	247
Name	OJ990818_06.9C10.C1.o1.gs	Method	GENSCAN
Start	195	End	247
GI	none	Score	.83
Exons	195..247		

Seq. No.	37463	Seq. ID	OJ990818_06.9C10.C2
Gene No.	76864	Strand	-
Start	1017	End	1436
Name	OJ990818_06.9C10.C2.o1.gs	Method	GENSCAN
Start	1017	End	1436
GI	none	Score	.73
Exons	1017..1165, 1305..1436		

Seq. No.	37464	Seq. ID	OJ990818_06.9C10.C3
Gene No.	76865	Strand	-
Start	1	End	818
Name	OJ990818_06.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	769

GI	6069646	Score	485
Exons	1..769		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	37464	Seq. ID	OJ990818_06.9C10.C3
Gene No.	76865	Strand	-
Start	1	End	818
Name	OJ990818_06.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	73	End	477
GI	none	Score	69
Exons	73..477, 284..391		

Seq. No.	37464	Seq. ID	OJ990818_06.9C10.C3
Gene No.	76865	Strand	-
Start	1	End	818
Name	OJ990818_06.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	490	End	818
GI	none	Score	50
Exons	490..555, 494..553, 538..711, 548..718, 711..818		

Seq. No.	37464	Seq. ID	OJ990818_06.9C10.C3
Gene No.	76865	Strand	-
Start	1	End	818
Name	OJ990818_06.9C10.C3.o1.gs	Method	GENSCAN
Start	496	End	651
GI	none	Score	.67
Exons	496..651		

Seq. No.	37465	Seq. ID	OJ990818_06.9C10.C4
Gene No.	76866	Strand	+
Start	6766	End	7051
Name	OJ990818_06.9C10.C4.o2.gs	Method	GENSCAN
Start	6766	End	7051
GI	none	Score	.59
Exons	6766..6844, 6876..7051		

Seq. No.	37465	Seq. ID	OJ990818_06.9C10.C4
Gene No.	76867	Strand	-
Start	347	End	5150
Name	OJ990818_06.9C10.C4.o1.gs	Method	GENSCAN
Start	347	End	5144
GI	none	Score	.65
Exons	347..354, 2225..2369, 2451..2513, 2781..2953, 2994..3207, 3885..3911, 4574..4642, 4647..4779, 5059..5144		

Seq. No.	37465	Seq. ID	OJ990818_06.9C10.C4
Gene No.	76867	Strand	-
Start	347	End	5150
Name	OJ990818_06.9C10.C4.o1.np	Method	AAT/NAP
Start	2281	End	5150
GI	3980415	Score	193
Exons	2281..2364, 3822..3863, 4492..4779, 5059..5150		
GI Descrip.	(AC004561) putative tropinone reductase [Arabidopsis thaliana]		

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